

## Research Article

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# New faunistical records of *Stygia mosulensis* Daniel in Turkey and nomenclatural comment on the subfamily *Stygiinae* (*Lepidoptera*, *Cossidae*)

Muhabbet Kemal<sup>1</sup> Ahmet Ömer Koçak

**Abstract:** New faunistical records of *Stygia mosulensis* Daniel in Turkey and nomenclatural comment on the subfamily *Stygiinae* (*Lepidoptera*, *Cossidae*). *Cesa News* 121: 1-3, 2 figs.

In this short paper, two new faunistical records of *Stygia mosulensis* Dan. (*Cossidae*) for Turkey are added. Nomenclatural comment on the subfamily name *Stygiinae* is given.

**Key words:** *Stygia mosulensis*, *Stygiinae*, *Cossidae*, *Lepidoptera*, fauna, Turkey, nomenclature.

*Stygia mosulensis* was described by Daniel (1965) from northern Iraq (Mosul). The authors reported this species in Turkey, in 2014 (*Priamus* Suppl. 32: 166, no 577), and also in 2015 (*Memoirs* 7: 1835, no 33216), without citing the province and the collecting locality. Yakovlev & Ströhle (2016) mentioned this species from Nevşehir Province, Zelve (Central Anatolia) as the first provincial record. In the present short note, the species is also reported from SE Turkey (Diyarbakır and Siirt Provinces).

**Material studied:** 2 ♀. SE Turkey, Diyarbakır Prov., Kulp, Taşköprü 850m, 20 7 2008, M.Kemal & M.Aydın leg.; 1♀. SE Turkey, Siirt Prov., Şirvan, Tangoli 890m 14 8 2010, M. Kemal, E.Seven & A.Koçak leg. (coll. Cesa).

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This species is distributed from South Balkan Peninsula (Greece, Bulgaria), Turkey (Nevşehir, Diyarbakır, Siirt provinces), northern Iraq (Mosul) to Iran. Vertical distribution: 850-1100m. Adult flight: July-August.



**Fig. 1** - *Stygia mosulensis*, upperside. SE Turkey, Diyarbakır Prov., Kulp, Taşköprü 850m, 20 7 2008, photo M.Kemal (Cesa).

Nomenclatural comment on the subfamily name *Stygiinae*.

In 1832, Newman used the family name *Stygiidae* in a key of some families in England. He noted this name with Latreille's vernacular name in the Regne Animal, "Stygies". The subfamily name, *Stygiinae* Newman, 1832 is currently used valid.

In 2011, Yakovlev proposed a new subfamily name, *Stygiinae*, unnecessarily. The latter is now considered as junior synonym.

Rafinesque (1815) published a brief work on the classification of some animal groups. Rafinesque's very little-known book is currently under discussion by some lepidopterists, as it contains a butterfly family name, "*Nymphalia*", proposed by him on page 127 (**Fig.2**). This name, according to the Rules of the ICZN, cannot be used validly, as it is nomenclaturally unavailable name. Because, the family name "*Nymphalia*" has not been based on a genus name "*Nymphalis*". In spite of this reality, "*Nymphalidae* Rafinesque, 1815" is used as valid in some "serious" publications. I consider this inappropriate action, applied currently, for the purpose of creation of a false perception among the readers and authors, having no knowledge of the fact.

As to the subfamily name *Stygiinae*, Rafinesque (1815) proposed this name on page 128, as "*Stygidia*", based upon the genus name "15. *Stygia*" (**Fig.2**). This proposal is available according to the Rules of the ICZN, and according to the priority rules, we consider here *Stygiinae* Rafinesque, 1815 is the valid name, which is never treated as a synonym in the past. Brief synonymy on this matter is given below:

***Cossidae*** Latreille, 1809

***Stygiinae*** Rafinesque, 1815

*Stygidia* Rafinesque, 1815, *Analyse Nat.*: 128. Type-genus: *Stygia* Latr.

= *Stygiinae* Newman, 1832 (**syn.nov.**)

= *Stygiinae* Yakovlev, 2011

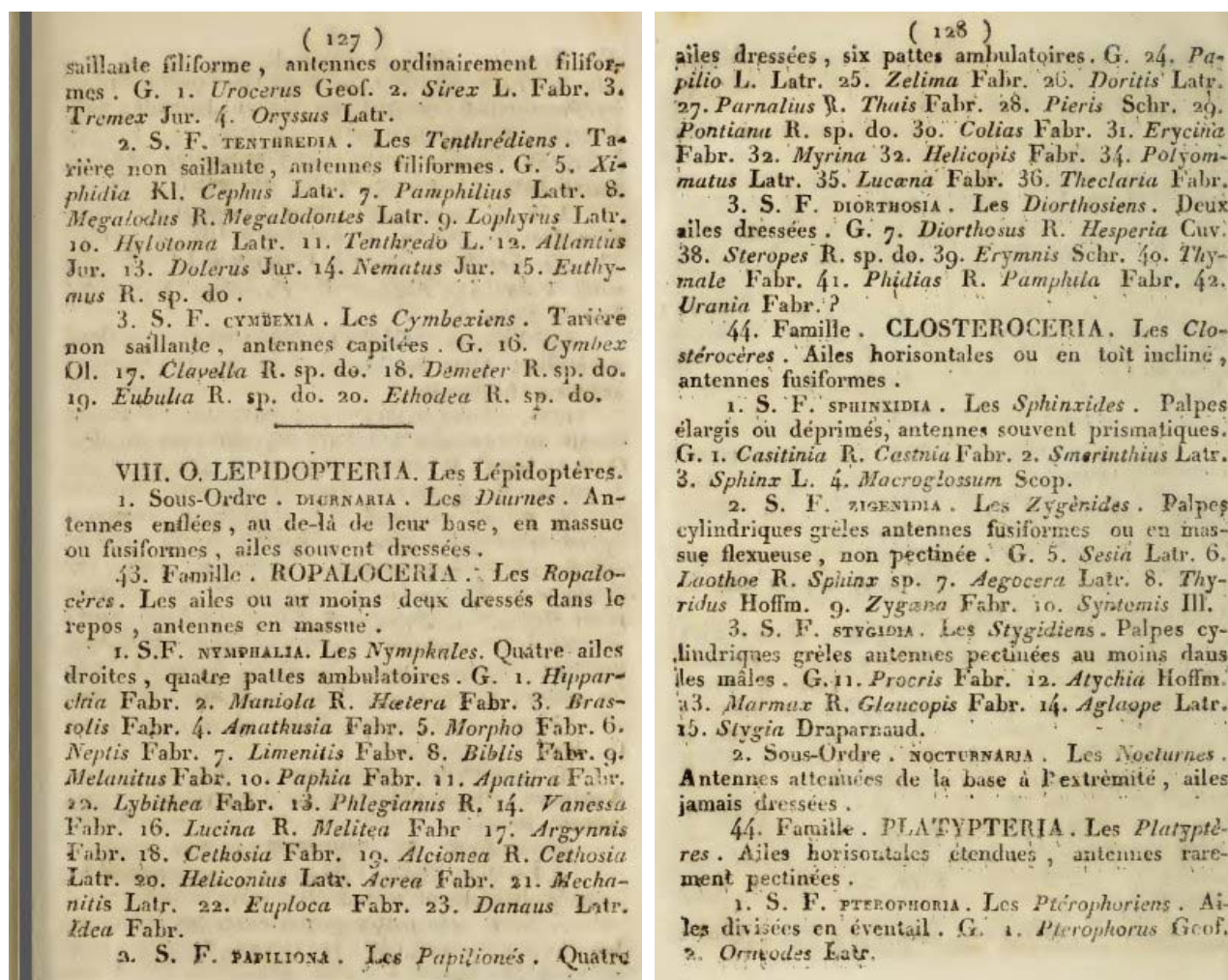


Fig. 2 – Rafinesque (1815: pp. 127 &amp; 128).

## References:

- Daniel, F. 1965. Monographie der palaearktischen Cossidae. VIII. Nachträge und Register zur Subfamilie Cossinae. *Mitt. münch. ent. Ges.* 55: 77–114.
- Koçak, A. Ö., 2014. List of the 23773 pterygot species in Turkey based upon the info-system of the Cesa. *Priamus* (Suppl.) 32: 1–876.
- Koçak, A.Ö. & M. Kemal, 2015. Annotated list of the lepidopterological taxa in the info-system of the Cesa - Part I. *Cent. ent. Stud., Memoirs* 7: 1–4792, 1 Tab.
- Newman, E., 1832. Monographia Aegeriarum Angliae. *Ent. Mag.* 1: 66–84.
- Rafinesque, C.S., 1815. *Analyse de la nature ou tableau de l'univers et des corps organisés*. 224 pp. Palerme.
- Yakovlev, R.V., 2011. Stygiinae Yakovlev, subfam. n., a new Subfamily of Palaearctic Carpenter-moths (Lepidoptera: Cossidae). *Ent. Review* 91 (4): 508–512.
- Yakovlev, R.V. & M. Ströhle, 2016. New for Turkish fauna Genus *Stygia* Latreille, [1802] (Lepidoptera, Cossidae). *Far Eastern Ent.* 305: 10–12.



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## Winter aspects of some classical localities of the Lepidoptera between Van and Ankara (Turkey), with faunal lists based upon the info-system of the Cesa

Muhabbet Kemal <sup>2</sup> Ahmet Ömer Koçak

**Abstract:** Winter aspects of some classical localities of the Lepidoptera between Van and Ankara (Turkey), with faunal lists based upon the info-system of the Cesa. *Cesa News* 121: 4-28, 30 figs.

In this paper, the winter seasons of some classical collecting localities of the Lepidoptera are illustrated. Separately, the preliminary faunal lists for the special localities, based upon the updated database information of the Cesa are mentioned for the first time. These east Anatolian localities are: Tatvan (Bitlis Prov.), Darende (Malatya Prov.), Pınarbaşı (Kayseri Prov.), Gürün (Sivas Prov.), Elazığ (Elazığ Prov.), and Kuruca Pass (Bingöl Prov.).

**Key words:** winter aspects, Turkey, Lepidoptera, fauna, Tatvan, Darende, Gürün, Pınarbaşı, Elazığ, Kuruca Pass.

By using the opportunity of the two travels <sup>3</sup> from Van (East Turkey) to Ankara (Central Turkey) by private car on the Highway, the winter seasons of some classical collecting localities of the Lepidoptera are illustrated in this travelogue. In the first part of this paper, images on winter aspects of some of the important localities on the Highway, as well as brief visual information about the changing face of eastern Turkey within the last two decades are given. All the images selected were taken by the first author during travels. In the second part of this paper, the preliminary faunal lists for the special localities, based upon the updated database information of the Cesa are mentioned for the first time. These localities, their codes, and the number of the species are as follows;

Tatvan (Bitlis Prov.) (13G), 468 spp.  
Darende (Malatya Prov.) (44E), 106 spp.  
Gürün (Sivas Prov.) (58G), 338 spp.  
Pınarbaşı (Kayseri Prov.) (38H), 60 spp.  
Elazığ (Elazığ Prov.) (23D), 55 spp.  
Kuruca Pass (Bingöl Prov.) (12Ab), 44 pp.

The field studying program of the authors in 2016 are mainly based upon the faunistical Project, supported by the Ministry of Forest and Water Affairs (MoFWA), in the following provinces of East Turkey: Adıyaman, Diyarbakır, Elazığ, Gaziantep, Malatya, Kahramanmaraş, Tunceli, and Batman. Those localities, mentioned in this paper will be particularly studied from the faunistical standpoint.

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<sup>3</sup> First travel between 13 and 16 January, 2016, the second one between 9 -13 February, 2016.



**Fig. 1** – Bitlis Province, before Tatvan, vicinity of Reşadiye. Slopes covered degraded *Quercus* woodlands. 13 January, 2016.



**Fig. 2** – Bitlis Province, early in the morning heavy air pollution at Tatvan. 13 January, 2016.





**Fig. 3** – Bitlis Province, early in the morning air pollution at Tatvan, and Nemrut Volcano on the right. 13 January, 2016.



**Fig. 4** – On the road to Muş city, one of the coldest place of Eastern Turkey in winter. 13 January, 2016.



**Fig. 5** – No snow fall but dense fog between Elazığ- Malatya cities – a lowland area under the arabian climatic influences. 13 January, 2016.



**Fig. 6** – During the second travel there was heavy snow fall at the upper hieghts of the mountains. Karahan pass (1800m) between Malatya and Darende cities, 9 February,2016.





**Fig. 7** – A case, rarely seen in winter – grazing sheeps in dry plants (Malatya province, Darende). 13 January, 2016.



**Fig. 8** – Entrance to Gürün city, a classical collecting site in Sivas Province. 14 January, 2016.





**Fig. 9** – Around Ziyaret Pass 1900m, between Sivas and Kayseri Provinces. 14 January, 2016.



**Fig. 10** – Şirvan Mount from NE side. A classical collecting city Pınarbaşı is located on the northern slopes of this Mount (Kayseri Province). 14 January, 2016.



**Fig. 11** – Erciyas Mount from the East side, an extinct volcano near the city Kayseri in Central Anatolia. 14 January, 2016.



**Fig. 12** – Kayseri, now one of the largest city in Central Anatolia, 10 February, 2016.





**Fig. 13** – Keskin city of Kırıkkale Province, northern Central Anatolia, 10 February, 2016



**Fig. 14** – Between Ankara and Kırıkkale cities, Kızılırmak, the longest river of Turkey, 10 February, 2016





**Fig. 15** – Beynam forest in Bala district, Ankara Province, one of the important classical collecting locality of Lepidoptera. 13 February, 2016.



**Fig. 16** – Southern part of Kırıkkale Province, Köprüköy near Kızılırmak, one of the interesting collecting locality of the Lepidoptera, 13 February, 2016





**Fig. 17** – On the way back to Van, classical bridge of Kömürhan between the provinces Malatya and Elazığ will be replaced by the new Highway tunnel, currently under construction. 16 January, 2016.



**Fig. 18** – Kömürhan Bridge between the provinces Malatya and Elazığ. 16 January, 2016.





**Fig. 19** – Vicinity of Kömürhan Bridge between the provinces Malatya and Elazığ. 16 January, 2016.



**Fig. 20** – A new aspect of Elazığ city with a dense air pollution from the new Ringroad. In the last two decades, all major roads in East Turkey have been renewed. Most of the classical collecting localities of the insects are no longer available. 16 January, 2016.





**Fig. 21** – Another image from Elazığ Ringroad. 16 January, 2016.



**Fig. 22** – On the way to Mastar Mountain in Elazığ Province. one of the new place to be studied in the program of the authors. 16 January, 2016.



**Fig. 23** – Mastar Mountain in Elazığ Province from NW side. 16 January, 2016.



**Fig. 24** – An overview from Kovancılar (Elazığ) to Bingöl Mountains. 16 January, 2016.





**Fig. 25** – On the way to Kuruca Pass between Elazığ and Bingöl provinces. 16 January, 2016.



**Fig. 26** – Kuruca Pass (1800m) between Elazığ and Bingöl provinces. 16 January, 2016.



**Fig. 27** – New Kuruca village (Bingöl Province). 16 January, 2016.



**Fig. 28** – Yolçatı ski resorts near Kuruca (Bingöl Province). 16 January, 2016.





**Fig. 29** – Kuruca village and pass in Bingöl Province, 13 February, 2016.



**Fig. 30** – On the way back to Van, before Kuzgunkiran tunnel in Bitlis Province, 13 February, 2016

## Updated faunistical lists of the Lepidoptera of some localities on the Highway between Van and Ankara

### Tatvan (13G) (Bitlis Prov.) Figs. 1-3) (including Nemrut Volcano, Kuskunkiran West side)

#### Butterflies

- |  |  |  |
|--|--|--|
| <p>1) <i>Aglais urticae</i> (Linnaeus, 1758) (Argynniidae)<br/> 2) <i>Argynnis</i> (Fabriciana) <i>niobe</i> (Linnaeus, 1758) (Argynniidae)<br/> 3) <i>Argynnis</i> (Pandoriana) <i>pandora</i> ([Denis &amp; Schiffermüller, 1775] (Argynniidae)<br/> 4) <i>Argynnis</i> (Speyeria) <i>aglaja</i> (Linnaeus, 1758) (Argynniidae)<br/> 5) <i>Argynnis</i> (s.str.) <i>paphia</i> (Linnaeus, 1758) (Argynniidae)<br/> 6) <i>Brenthis daphne</i> (Bergsträsser, 1780) (Argynniidae)<br/> 7) <i>Brenthis hecate</i> ([Denis &amp; Schiffermüller, 1775] (Argynniidae)<br/> 8) <i>Issoria lathonia</i> (Linnaeus, 1758) (Argynniidae)<br/> 9) <i>Limenitis</i> (Azuritis) <i>reducta</i> Staudinger, 1901 (Argynniidae)<br/> 10) <i>Melitaea</i> (Cinclidia) <i>ornata</i> Christoph, 1893 (Argynniidae)<br/> 11) <i>Melitaea</i> (Didymaeformis) <i>didyma</i> (Esper, [1779]) (Argynniidae)<br/> 12) <i>Melitaea</i> (Didymaeformis) <i>persea</i> Kollar, [1849] (Argynniidae)<br/> 13) <i>Melitaea</i> (Didymaeformis) <i>syriaca</i> Rebel, 1905 (Argynniidae)<br/> 14) <i>Melitaea</i> (s.str.) <i>arduinna</i> (Fabricius, 1787) (Argynniidae)<br/> 15) <i>Melitaea</i> (s.str.) <i>cinxia</i> (Linnaeus, 1758) (Argynniidae)<br/> 16) <i>Nymphalis polychloros</i> (Linnaeus, 1758) (Argynniidae)<br/> 17) <i>Nymphalis xanthomelas</i> (Esper, [1781]) (Argynniidae)<br/> 18) <i>Polygonia</i> (Comma) <i>c-album</i> (Linnaeus, 1758) (Argynniidae)<br/> 19) <i>Polygonia</i> (Comma) <i>egea</i> (Cramer, [1775]) (Argynniidae)<br/> 20) <i>Thaleropsis ionia</i> (Eversmann, 1851) (Argynniidae)<br/> 21) <i>Vanessa</i> (Cynthia) <i>cardui</i> (Linnaeus, 1758) (Argynniidae)<br/> 22) <i>Vanessa</i> (s.str.) <i>atalanta</i> (Linnaeus, 1758) (Argynniidae)<br/> 23) <i>Carcharodus</i> (Lavatheria) <i>lavatherae</i> (Esper, [1783]) (Hesperiidae)<br/> 24) <i>Carcharodus</i> (Reverdinus) <i>orientalis</i> Reverdin, 1913 (Hesperiidae)<br/> 25) <i>Carcharodus</i> (s.str.) <i>alceae</i> (Esper, [1780]) (Hesperiidae)<br/> 26) <i>Erynnis</i> (Hesperopegasus) <i>marloyi</i> (Boisduval, [1834]) (Hesperiidae)<br/> 27) <i>Erynnis</i> (s.str.) <i>tages</i> (Linnaeus, 1758) (Hesperiidae)<br/> 28) <i>Hesperia comma</i> (Linnaeus, 1758) (Hesperiidae)<br/> 29) <i>Muschampia nomas</i> (Lederer, 1855) (Hesperiidae)<br/> 30) <i>Muschampia poggei</i> (Lederer, 1858) (Hesperiidae)<br/> 31) <i>Muschampia proteides</i> (F. Wagner, 1929) (Hesperiidae)<br/> 32) <i>Muschampia tersa</i> Evans, 1949 (Hesperiidae)<br/> 33) <i>Ochlodes venatus</i> (Bremer &amp; Grey, [1852]) (Hesperiidae)<br/> 34) <i>Pyrgus armoricus</i> (Oberthür, 1910) (Hesperiidae)<br/> 35) <i>Pyrgus carlinae</i> (Rambur, [1839]) (Hesperiidae)<br/> 36) <i>Pyrgus cinarae</i> (Rambur, [1839]) (Hesperiidae)<br/> 37) <i>Pyrgus melotis</i> (Duponchel, [1834]) (Hesperiidae)<br/> 38) <i>Pyrgus serratulae</i> (Rambur, [1839]) (Hesperiidae)<br/> 39) <i>Pyrgus sidae</i> (Esper, [1784]) (Hesperiidae)</p> | <p>40) <i>Spialia</i> (Neospialia) <i>orbifer</i> (Hübner, [1823]) (Hesperiidae)<br/> 41) <i>Spialia</i> (s.str.) <i>osthelderi</i> (Pfeiffer, 1932) (Hesperiidae)<br/> 42) <i>Spialia</i> (s.str.) <i>phlomidis</i> (Herrich-Schäffer, [1845]) (Hesperiidae)<br/> 43) <i>Thymelicus lineolus</i> (Ochsenheimer, 1808) (Hesperiidae)<br/> 44) <i>Thymelicus sylvestris</i> (Poda, 1761) (Hesperiidae)<br/> 45) <i>Callophrys danchenkoi</i> Zhdanko, 1998 (Lycaenidae)<br/> 46) <i>Callophrys herculeana</i> Pfeiffer, 1927 (Lycaenidae)<br/> 47) <i>Callophrys rubi</i> (Linnaeus, 1758) (Lycaenidae)<br/> 48) <i>Celastrina argiolus</i> (Linnaeus, 1758) (Lycaenidae)<br/> 49) <i>Cigaritis acamas</i> (Klug, 1834) (Lycaenidae)<br/> 50) <i>Cupido</i> (s.str.) <i>osiris</i> (Meigen, [1829]) (Lycaenidae)<br/> 51) <i>Glaucopsyche</i> (Iolana) <i>lessei</i> Bernardi, 1964 (Lycaenidae)<br/> 52) <i>Glaucopsyche</i> (s.str.) <i>alexis</i> (Poda, 1761) (Lycaenidae)<br/> 53) <i>Lampides boeticus</i> (Linnaeus, 1767) (Lycaenidae)<br/> 54) <i>Lycaena</i> (Alciphronia) <i>alciphron</i> (Rottenburg, 1775) (Lycaenidae)<br/> 55) <i>Lycaena</i> (Heodes) <i>virgaureae</i> (Linnaeus, 1758) (Lycaenidae)<br/> 56) <i>Lycaena</i> (Loweia) <i>tityrus</i> (Poda, 1761) (Lycaenidae)<br/> 57) <i>Lycaena</i> (Margelycaena) <i>euphratica</i> (Eckweiler, 1989) (Lycaenidae)<br/> 58) <i>Lycaena</i> (Thersamonia) <i>asabinus</i> (Gerhard, [1850]) (Lycaenidae)<br/> 59) <i>Lycaena</i> (Thersamonia) <i>kefersteinii</i> (Gerhard, [1850]) (Lycaenidae)<br/> 60) <i>Lycaena</i> (Thersamonia) <i>kurdistanicus</i> (Riley, 1921) (Lycaenidae)<br/> 61) <i>Lycaena</i> (Thersamonia) <i>lampon</i> (Lederer, 1870) (Lycaenidae)<br/> 62) <i>Lycaena</i> (Thersamonia) <i>thetis</i> (Klug, 1834) (Lycaenidae)<br/> 63) <i>Lycaena</i> (s.str.) <i>phlaeas</i> (Linnaeus, 1761) (Lycaenidae)<br/> 64) <i>Phengaris arion</i> (Linnaeus, 1758) (Lycaenidae)<br/> 65) <i>Plebejus</i> (Kretania) <i>carmon</i> (Gerhard, [1851]) (Lycaenidae)<br/> 66) <i>Plebejus</i> (Lycaeides) <i>idas</i> (Linnaeus, 1761) (Lycaenidae)<br/> 67) <i>Plebejus</i> (Plebejides) <i>zephyrinus</i> (Christoph, 1884) (Lycaenidae)<br/> 68) <i>Plebejus</i> (s.str.) <i>argus</i> (Linnaeus, 1758) (Lycaenidae)<br/> 69) <i>Polyommatus</i> (Agriades) (s.str.) <i>pyrenaicus</i> (Boisduval, 1840) (Lycaenidae)<br/> 70) <i>Polyommatus</i> (Albulina) (Plebejidea) <i>loewii</i> (Zeller, 1847) (Lycaenidae)<br/> 71) <i>Polyommatus</i> (Albulina) (Vacciniina) <i>alcedo</i> (Christoph, 1877) (Lycaenidae)<br/> 72) <i>Polyommatus</i> (Aricia) (Eumedonia) <i>eumedon</i> (Esper, [1780]) (Lycaenidae)<br/> 73) <i>Polyommatus</i> (Aricia) (Ultraaricia) <i>anteros</i> (Freyer, [1838]) (Lycaenidae)<br/> 74) <i>Polyommatus</i> (Aricia) (Ultraaricia) <i>crassipunctus</i> (Christoph, 1893) (Lycaenidae)<br/> 75) <i>Polyommatus</i> (Aricia) (s.str.) <i>agestis</i> ([Denis &amp; Schiffermüller, 1775] (Lycaenidae)<br/> 76) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Actisia)) <i>haigi</i> (Dantchenko &amp; Lukhtanov, 2002) (Lycaenidae)<br/> 77) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Admetusia)) <i>alcestis</i> (Zerny, 1932) (Lycaenidae)</p> | <p>78) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Admetusia)) <i>demavendi</i> (Pfeiffer, 1938) (Lycaenidae)<br/> 79) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Admetusia)) <i>ripartii</i> (Freyer, [1830]) (Lycaenidae)<br/> 80) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Antidolus)) <i>kurdistanicus</i> (Forster, 1961) (Lycaenidae)<br/> 81) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Antidolus)) <i>menalcas</i> (Freyer, [1837]) (Lycaenidae)<br/> 82) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Antidolus)) <i>mithridates</i> (Staudinger, 1878) (Lycaenidae)<br/> 83) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Musa)) <i>wagneri</i> (Forster, 1956) (Lycaenidae)<br/> 84) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Phyllisia)) <i>baytopi</i> (De Lesse, 1959) (Lycaenidae)<br/> 85) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Phyllisia)) <i>iphigenia</i> (Herrich-Schäffer, [1847]) (Lycaenidae)<br/> 86) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Phyllisia)) <i>vanensis</i> (De Lesse, 1957) (Lycaenidae)<br/> 87) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Transcaspia)) <i>anticarmon</i> (Koçak, 1983) (Lycaenidae)<br/> 88) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Transcaspia)) <i>huberti</i> (Carbonell, 1993) (Lycaenidae)<br/> 89) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Transcaspia)) <i>ninae</i> (Forster, 1956) (Lycaenidae)<br/> 90) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Transcaspia)) <i>surakovi</i> Dantchenko &amp; Lukhtanov, 1994 (Lycaenidae)<br/> 91) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Transcaspia)) <i>turcicus</i> (Koçak, 1977) (Lycaenidae)<br/> 92) <i>Polyommatus</i> (s.str.) (Agrodiaetus (Transcaspia)) <i>zapvadi</i> (Carbonell, 1993) (Lycaenidae)<br/> 93) <i>Polyommatus</i> (s.str.) (Agrodiaetus (s.str.)) <i>kanduli</i> (Dantchenko &amp; Lukhtanov, 2002) (Lycaenidae)<br/> 94) <i>Polyommatus</i> (s.str.) (Cyaniris) <i>antiochenus</i> (Lederer, 1861) (Lycaenidae)<br/> 95) <i>Polyommatus</i> (s.str.) (Cyaniris) <i>bellis</i> (Freyer, [1842]) (Lycaenidae)<br/> 96) <i>Polyommatus</i> (s.str.) (Lysandra) <i>corydonius</i> (Herrich-Schäffer, [1852]) (Lycaenidae)<br/> 97) <i>Polyommatus</i> (s.str.) (Meleageria) <i>daphnis</i> ([Denis &amp; Schiffermüller, 1775] (Lycaenidae)<br/> 98) <i>Polyommatus</i> (s.str.) (Neolysandra) <i>alticola</i> (Christoph, 1893) (Lycaenidae)<br/> 99) <i>Polyommatus</i> (s.str.) (Plebicula) <i>amandus</i> (Schneider, 1792) (Lycaenidae)<br/> 100) <i>Polyommatus</i> (s.str.) (Sublysandra) <i>aedon</i> (Christoph, 1877) (Lycaenidae)<br/> 101) <i>Polyommatus</i> (s.str.) (Thersitesia) <i>thersites</i> (Canterer, [1835]) (Lycaenidae)<br/> 102) <i>Polyommatus</i> (s.str.) <i>icarus</i> (Rottenburg, 1775) (Lycaenidae)<br/> 103) <i>Pseudophilotes vicrama</i> (Moore, 1865) (Lycaenidae)<br/> 104) <i>Rubrapterus bavius</i> (Eversmann, 1832) (Lycaenidae)<br/> 105) <i>Satyrrium</i> (Nordmannia) <i>abdominalis</i> (Gerhard, [1850]) (Lycaenidae)<br/> 106) <i>Satyrrium</i> (Nordmannia) <i>armenum</i> (Rebel, 1901) (Lycaenidae)<br/> 107) <i>Satyrrium</i> (Nordmannia) <i>zabni</i> Oorschot &amp; Brink, 1991 (Lycaenidae)<br/> 108) <i>Satyrrium</i> (Strymonidia) <i>w-album</i> (Knoch, 1782) (Lycaenidae)</p> |
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- 109)** *Tomares callimachus* (Eversmann, 1848) (Lycaenidae)  
**110)** *Tomares romanovi* (Christoph, 1882) (Lycaenidae)  
**111)** *Turanana endymion* (Freyer, [1850]) (Lycaenidae)  
**112)** *Iphiclidea podalirius* (Linnaeus, 1758) (Papilionidae)  
**113)** *Papilio* (s.str.) *machaon* Linnaeus, 1758 (Papilionidae)  
**114)** *Parnassius* (Driopa) *mnemosyne* (Linnaeus, 1758) (Papilionidae)  
**115)** *Parnassius* (s.str.) *apollo* (Linnaeus, 1758) (Papilionidae)  
**116)** *Zerynthia* (Allancastria) *deyrollei* (Oberthür, 1869) (Papilionidae)  
**117)** *Anthocharis cardamines* (Linnaeus, 1758) (Pieridae)  
**118)** *Anthocharis damone* Boisduval, 1836 (Pieridae)  
**119)** *Anthocharis gruneri* Herrich-Schäffer, [1851] (Pieridae)  
**120)** *Aporia* (s.str.) *crataegi* (Linnaeus, 1758) (Pieridae)  
**121)** *Colias* (Eriocolias) *crocea* (Fourcroy, 1785) (Pieridae)  
**122)** *Colias* (Neocolias) *aurorina* Herrich-Schäffer, [1850] (Pieridae)  
**123)** *Colias* (Neocolias) *chlorocoma* Christoph, 1888 (Pieridae)  
**124)** *Colias* (s.str.) *alfarciensis* Ribbe, 1905 (Pieridae)  
**125)** *Euchloe* (s.str.) *ausonia* (Hübner, [1804]) (Pieridae)  
**126)** *Gonepteryx* (s.str.) *farinosa* (Zeller, 1847) (Pieridae)  
**127)** *Gonepteryx* (s.str.) *rhamni* (Linnaeus, 1758) (Pieridae)  
**128)** *Leptidea duponcheli* (Staudinger, 1871) (Pieridae)  
**129)** *Leptidea morsei* (Fenton, 1881) (Pieridae)  
**130)** *Leptidea sinapis* (Linnaeus, 1758) (Pieridae)  
**131)** *Pieris* (Artogeia) *ergane* (Geyer, [1828]) (Pieridae)  
**132)** *Pieris* (Artogeia) *krueperi* Staudinger, 1860 (Pieridae)  
**133)** *Pieris* (Artogeia) *mannii* (Mayer, 1851) (Pieridae)  
**134)** *Pieris* (Artogeia) *persis* Verity, 1922 (Pieridae)  
**135)** *Pieris* (Artogeia) *pseudorapae* Verity, 1908 (Pieridae)  
**136)** *Pieris* (Artogeia) *rapae* (Linnaeus, 1758) (Pieridae)  
**137)** *Pieris* (s.str.) *brassicae* (Linnaeus, 1758) (Pieridae)  
**138)** *Pontia callidice* (Hübner, [1800]) (Pieridae)  
**139)** *Pontia chloridice* (Hübner, [1813]) (Pieridae)  
**140)** *Pontia edusa* (Fabricius, 1777) (Pieridae)  
**141)** *Arethusana arethusa* ([Denis & Schiffermüller], 1775) (Satyridae)  
**142)** *Chazara* (Neochazara) *anthe* (Hoffmannsegg, 1804) (Satyridae)  
**143)** *Chazara* (s.str.) *bischoffi* (Herrich-Schäffer, [1846]) (Satyridae)  
**144)** *Chazara* (s.str.) *briseis* (Linnaeus, 1764) (Satyridae)  
**145)** *Coenonympha* (s.str.) *leander* (Fabricius, 1787) (Satyridae)  
**146)** *Coenonympha* (s.str.) *pamphilus* (Linnaeus, 1758) (Satyridae)  
**147)** *Coenonympha* (s.str.) *saadi* (Kollar, [1849]) (Satyridae)  
**148)** *Esperage* (s.str.) *clymene* (Fabricius, 1787) (Satyridae)  
**149)** *Hipparchia* (Neohipparchia) *statilinus* (Hufnagel, 1766) (Satyridae)  
**150)** *Hipparchia* (Parahipparchia) *pellucida* (Stauder, 1924) (Satyridae)  
**151)** *Hipparchia* (s.str.) *syriaca* (Staudinger, 1871) (Satyridae)  
**152)** *Hyponephele* (s.str.) *lupina* (Costa, [1836]) (Satyridae)  
**153)** *Hyponephele* (s.str.) *lycaon* (Rottentburg, 1775) (Satyridae)  
**154)** *Lasiommata maera* (Linnaeus, 1758) (Satyridae)  
**155)** *Lasiommata megera* (Linnaeus, 1767) (Satyridae)  
**156)** *Maniola* (Telmessiola) *telmessia* (Zeller, 1847) (Satyridae)  
**157)** *Maniola* (s.str.) *jurtina* (Linnaeus, 1758) (Satyridae)  
**158)** *Melanargia* (Parce) *ruissiae* (Esper, [1784]) (Satyridae)  
**159)** *Melanargia* (Turcargia) *grumi* Standfuss, 1892 (Satyridae)  
**160)** *Melanargia* (Turcargia) *hylata* (Ménétrières, 1832) (Satyridae)  
**161)** *Melanargia* (Turcargia) *larissa* (Geyer, [1828]) (Satyridae)  
**162)** *Melanargia* (Turcargia) *syriaca* (Oberthür, 1894) (Satyridae)  
**163)** *Protorebia afra* (Fabricius, 1787) (Satyridae)  
**164)** *Pseudochazara* (s.str.) *beroe* (Freyer, [1843]) (Satyridae)  
**165)** *Pseudochazara* (s.str.) *geyeri* (Herrich-Schäffer, [1846]) (Satyridae)  
**166)** *Pseudochazara* (s.str.) *mamura* (Herrich-Schäffer, [1846]) (Satyridae)  
**167)** *Pseudochazara* (s.str.) *pelopea* (Klug, 1832) (Satyridae)  
**168)** *Satyrus* (Asatyrus) (s.str.) *iranicus* Schwingenschuss, 1939 (Satyridae)  
**169)** *Satyrus* (s.str.) *favonius* Staudinger, [1892] (Satyridae)  
**170)** *Satyrus* (s.str.) *parthicus* Lederer, 1869 (Satyridae)
- Moths**
- 171)** *Nemophora dumerilella* (Duponchel, 1839) (Adelidae)  
**172)** *Euplagia quadripunctaria* (Poda, 1761) (Arctiidae)  
**173)** *Lacydes spectabilis* (Tauscher, 1806) (Arctiidae)  
**174)** *Ocnogyna* (s.str.) *loewii* (Zeller, 1846) (Arctiidae)  
**175)** *Phragmatobia placida* (Frivaldsky, 1835) (Arctiidae)  
**176)** *Tyria jacobaeae* (Linnaeus, 1758) (Arctiidae)  
**177)** *Watsonarctia deserta* (Bartel, 1902) (Arctiidae)  
**178)** *Brachodes candefactus* (Lederer, 1858) (Brachodidae)  
**179)** *Brachodes fulguritus* (Fischer v. Waldheim, 1832) (Brachodidae)  
**180)** *Axia* (Epicimelia) *theresia* (Korb, 1900) (Cimeliidae)  
**181)** *Coleophora galbulipennella* Zeller, 1838 (Coleophoridae)  
**182)** *Coleophora gazella* Toll, 1952 (Coleophoridae)  
**183)** *Coleophora obtectella* Zeller, 1849 (Coleophoridae)  
**184)** *Coleophora symphistropa* Reznik, 1976 (Coleophoridae)  
**185)** *Coleophora univittella* Staudinger, 1880 (Coleophoridae)  
**186)** *Cossus cossus* (Linnaeus, 1758) (Cossidae)  
**187)** *Dysauxes* (s.str.) *famula* (Freyer, 1836) (Ctenuchidae)  
**188)** *Dysauxes* (s.str.) *fraterna* Ignatyev & Zolotuhin, 2006 (Ctenuchidae)  
**189)** *Ethmia amasina* (Staudinger, 1879) (Ethmiidae)  
**190)** *Ethmia auriflua* (Hübner, [1810]) (Ethmiidae)  
**191)** *Aplasta ononaria* (Fuessly, 1783) (Geometridae)  
**192)** *Aplocera annexata* (Freyer, [1830]) (Geometridae)  
**193)** *Aplocera columbata* (Metzner, 1845) (Geometridae)  
**194)** *Aplocera plagiata* (Linnaeus, 1758) (Geometridae)  
**195)** *Camptogramma bilineatum* (Linnaeus, 1758) (Geometridae)  
**196)** *Catarhoe permixtaria* (Guenée, [1858]) (Geometridae)  
**197)** *Catarhoe rubidata* ([Denis & Schiffermüller], 1775) (Geometridae)  
**198)** *Chesistege korbi* (Bohatsch, 1910) (Geometridae)  
**199)** *Chiasma clathrata* (Linnaeus, 1758) (Geometridae)  
**200)** *Cidaria fulvata* (Forster, 1771) (Geometridae)  
**201)** *Comibaena bajularia* ([Denis & Schiffermüller], 1775) (Geometridae)  
**202)** *Cyclophora porata* (Linnaeus, 1767) (Geometridae)  
**203)** *Ematurga atomaria* (Linnaeus, 1758) (Geometridae)  
**204)** *Entephria ignorata* (Staudinger, 1892) (Geometridae)  
**205)** *Eupithecia mesogrammata* Dietze, 1908 (Geometridae)  
**206)** *Gnophos* (Dicrognophos) *snelleni* Christoph, 1887 (Geometridae)  
**207)** *Heliomata glarearia* (Brahm, 1791) (Geometridae)  
**208)** *Heterolocha laminaria* (Herrich-Schäffer, [1852]) (Geometridae)  
**209)** *Idea determinata* (Staudinger, 1876) (Geometridae)  
**210)** *Idea moniliata* ([Denis & Schiffermüller], 1775) (Geometridae)  
**211)** *Idea rusticata* ([Denis & Schiffermüller], 1775) (Geometridae)  
**212)** *Lythria cruentaria* (Hufnagel, 1767) (Geometridae)  
**213)** *Neognopharmia stevenaria* (Boisduval, 1840) (Geometridae)  
**214)** *Nychiodes* (Eunychiodes) *divergaria* (Staudinger, 1892) (Geometridae)  
**215)** *Nychiodes* (Eunychiodes) *variabila* Brandt, 1938 (Geometridae)  
**216)** *Odezia atrata* (Linnaeus, 1758) (Geometridae)  
**217)** *Opisthograptis luteolata* (Linnaeus, 1758) (Geometridae)  
**218)** *Orthostixis cribraria* (Hübner, [1799]) (Geometridae)  
**219)** *Ourapteryx malatyensis* Wehrli, 1936 (Geometridae)  
**220)** *Ourapteryx sambucaria* (Linnaeus, 1758) (Geometridae)  
**221)** *Pseudopanthera syriacata* (Guenée, 1852) (Geometridae)  
**222)** *Rhodostrophia* (Pellonia) *vibicaria* (Linnaeus, 1761) (Geometridae)  
**223)** *Rhodostrophia* (Pydna) *bahara* (Brandt, 1938) (Geometridae)  
**224)** *Rhodostrophia* (s.str.) *disco-punctata* Amsel, 1935 (Geometridae)  
**225)** *Scopula decorata* ([Denis & Schiffermüller], 1775) (Geometridae)  
**226)** *Scopula immistaria* (Herrich-Schäffer, [1852]) (Geometridae)  
**227)** *Scopula ornata* (Scopoli, 1763) (Geometridae)  
**228)** *Scopula submutata* (Treitschke, 1828) (Geometridae)  
**229)** *Scotopteryx bipunctaria* ([Denis & Schiffermüller], 1775) (Geometridae)  
**230)** *Scotopteryx vicinaria* (Duponchel, 1830) (Geometridae)  
**231)** *Selenia lunularia* (Hübner, 1788) (Geometridae)  
**232)** *Siona lineata* (Scopoli, 1763) (Geometridae)  
**233)** *Synopsisia phasidaria* (Rogenhofer, 1873) (Geometridae)  
**234)** *Thalera fimbrialis* (Scopoli, 1763) (Geometridae)  
**235)** *Thetidia persica* Hausmann, 1996 (Geometridae)  
**236)** *Caloptilia* (s.str.) *alchimiella* (Scopoli, 1763) (Gracillariidae)  
**237)** *Lasiocampa grandis* (Rogenhofer, 1891) (Lasiocampidae)  
**238)** *Malacosoma castrensis* (Linnaeus, 1758) (Lasiocampidae)

- 239)** *Malacosoma neustrium* (Linnaeus, 1758) (Lasiocampidae)  
**240)** *Malacosoma primum* (Staudinger, 1887) (Lasiocampidae)  
**241)** *Phylodesma* (s.str.) *tremulifolium* (Hübner, [1810]) (Lasiocampidae)  
**242)** *Lemonia ballioni* (Christoph, 1888) (Lemoniidae)  
**243)** *Euproctis chrysorrhoea* (Linnaeus, 1758) (Lymantriidae)  
**244)** *Leucoma salicis* (Linnaeus, 1758) (Lymantriidae)  
**245)** *Acontia* (Emmelia) *trabealis* (Scopoli, 1763) (Noctuidae)  
**246)** *Acronicta* (Subacronicta) *megacephala* (Fabricius, 1787) (Noctuidae)  
**247)** *Actinotia radiosa* (Esper, [1804]) (Noctuidae)  
**248)** *Aedophron phlebophora* Lederer, 1858 (Noctuidae)  
**249)** *Agrochola* (Anchoscelis) *luteogrisea* (W. Warren, 1911) (Noctuidae)  
**250)** *Agrotis* (Crassagrotis) *bigramma* (Esper, [1790]) (Noctuidae)  
**251)** *Agrotis* (s.str.) *desertorum* Boisduval, 1840 (Noctuidae)  
**252)** *Agrotis* (s.str.) *exclamationis* (Linnaeus, 1758) (Noctuidae)  
**253)** *Agrotis* (s.str.) *ipilon* (Hufnagel, 1766) (Noctuidae)  
**254)** *Agrotis* (s.str.) *segetum* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**255)** *Amphipyra* (s.str.) *micans* Lederer, 1857 (Noctuidae)  
**256)** *Amphipyra* (s.str.) *stix* Herrich-Schäffer, [1850] (Noctuidae)  
**257)** *Amphipyra* (s.str.) *tragopoginis* (Clerck, 1759) (Noctuidae)  
**258)** *Apamea* (s.str.) *ferrago* (Eversmann, 1837) (Noctuidae)  
**259)** *Apamea* (s.str.) *furva* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**260)** *Apamea* (s.str.) *sordens* (Hufnagel, 1766) (Noctuidae)  
**261)** *Apamea* (s.str.) *syriaca* (Osthelder, 1933) (Noctuidae)  
**262)** *Argyrospila succinea* (Esper, [1798]) (Noctuidae)  
**263)** *Autographa gamma* (Linnaeus, 1758) (Noctuidae)  
**264)** *Autographa jota* (Linnaeus, 1758) (Noctuidae)  
**265)** *Autophila* (s.str.) *asiatica* (Staudinger, 1888) (Noctuidae)  
**266)** *Behounekia freyeri* (Friedl, 1835) (Noctuidae)  
**267)** *Bena bicolorana* (Fuessly, 1775) (Noctuidae)  
**268)** *Brandtina albonigra* Bytinski-Salz & Brandt, 1937 (Noctuidae)  
**269)** *Calamia staudingeri* Warnecke, 1941 (Noctuidae)  
**270)** *Callistege mi* (Clerck, 1759) (Noctuidae)  
**271)** *Calophasia lunula* (Hufnagel, 1766) (Noctuidae)  
**272)** *Caradrina* (Boursinidrina) *parvaspersa* (Boursin, 1936) (Noctuidae)  
**273)** *Caradrina* (Eremodrina) *inumbata* (Staudinger, 1900) (Noctuidae)  
**274)** *Caradrina* (Eremodrina) *vicina* (Staudinger, 1870) (Noctuidae)  
**275)** *Caradrina* (Paradrina) *boursini* (F. Wagner, 1936) (Noctuidae)  
**276)** *Caradrina* (Paradrina) *clavipalpis* (Scopoli, 1763) (Noctuidae)  
**277)** *Caradrina* (Paradrina) *wullschlegeli* (Püngeler, 1903) (Noctuidae)  
**278)** *Caradrina* (Platyperigea) *albina* (Eversmann, 1848) (Noctuidae)  
**279)** *Catocala* (s.str.) *conversa* (Esper, 1783) (Noctuidae)  
**280)** *Catocala* (s.str.) *elocata* (Esper, [1787]) (Noctuidae)  
**281)** *Catocala* (s.str.) *hymenaea* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**282)** *Catocala* (s.str.) *lesbia* Christoph, 1887 (Noctuidae)  
**283)** *Catocala* (s.str.) *mesopotamica* Kuznesov, 1903 (Noctuidae)  
**284)** *Chersotis* (s.str.) *alpestris* (Boisduval, [1837]) (Noctuidae)  
**285)** *Chersotis* (s.str.) *anatolica* (Draudt, 1936) (Noctuidae)  
**286)** *Chersotis* (s.str.) *fimbriola* (Esper, [1798]) (Noctuidae)  
**287)** *Chersotis* (s.str.) *multangula* (Hübner, [1803]) (Noctuidae)  
**288)** *Chersotis* (s.str.) *rectangula* (Fabricius, 1787) (Noctuidae)  
**289)** *Chersotis* (s.str.) *stenographa* Varga, 1979 (Noctuidae)  
**290)** *Chloantha hypericii* (Fabricius, 1787) (Noctuidae)  
**291)** *Conistra* (s.str.) *kasyi* Boursin, 1963 (Noctuidae)  
**292)** *Conistra* (s.str.) *veronicae* (Hübner, [1813]) (Noctuidae)  
**293)** *Cornutiplusia circumflexa* (Linnaeus, 1767) (Noctuidae)  
**294)** *Cosmia* (Calymnia) *trapezina* (Linnaeus, 1758) (Noctuidae)  
**295)** *Cosmia* (Ulmia) *affinis* (Linnaeus, 1767) (Noctuidae)  
**296)** *Cryphia* (Bryoleuca) *petrea* (Guenée, 1852) (Noctuidae)  
**297)** *Cryphia* (Bryoleuca) *raptricula* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**298)** *Cryphia* (Bryoleuca) *seladona* (Christoph, 1885) (Noctuidae)  
**299)** *Cryphia* (Bryophila) *maeonis* (Lederer, 1865) (Noctuidae)  
**300)** *Cryphia* (Bryophila) *occidentalis* (Osthelder, 1933) (Noctuidae)  
**301)** *Cryphia* (Euthales) *algae* (Fabricius, 1775) (Noctuidae)  
**302)** *Cucullia* (s.str.) *argentina* (Fabricius, 1787) (Noctuidae)  
**303)** *Dasytopia* (s.str.) *ferdinandi* Rühl, 1892 (Noctuidae)  
**304)** *Dichagyris* (Albocosta) *flammatra* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**305)** *Dichagyris* (Stenosomides) *sureyae* (Rebel, 1931) (Noctuidae)  
**306)** *Dichagyris* (Yigoga) *celsicola* (Bellier, 1858) (Noctuidae)  
**307)** *Dichagyris* (Yigoga) *nigrescens* (Hofner, 1888) (Noctuidae)  
**308)** *Dichagyris* (Yigoga) *signifera* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**309)** *Dichagyris* (Yigoga) *sincera* (De Freina & Hacker, 1985) (Noctuidae)  
**310)** *Dichagyris* (Yigoga) *truculenta* (Lederer, 1853) (Noctuidae)  
**311)** *Dichagyris* (Yigoga) *wiltshirei* (Boursin, 1936) (Noctuidae)  
**312)** *Dichagyris* (s.str.) *forficula* (Eversmann, 1851) (Noctuidae)  
**313)** *Drasteria cailino* (Lefebvre, 1827) (Noctuidae)  
**314)** *Drasteria herzi* (Alpheraky, 1895) (Noctuidae)  
**315)** *Drasteria sesquilina* (Staudinger, 1888) (Noctuidae)  
**316)** *Egira anatolica* (M. Hering, 1933) (Noctuidae)  
**317)** *Eublemma* (Glossodice) *polygrammum* (Duponchel, [1842]) (Noctuidae)  
**318)** *Eublemma* (albida-gr.) *gratissimum* (Staudinger, 1892) (Noctuidae)  
**319)** *Eublemma* (albida-gr.) *hansa* (Herrich-Schäffer, [1851]) (Noctuidae)  
**320)** *Eublemma* (bulla-gr.) *suppurum* (Staudinger, 1892) (Noctuidae)  
**321)** *Eublemma* (ostrina-gr.) *ostrinum* (Hübner, [1808]) (Noctuidae)  
**322)** *Eublemma* (pallidula-gr.) *pallidulum* (Herrich-Schäffer, 1856) (Noctuidae)  
**323)** *Eublemma* (rosina-gr.) *panonicum* (Freyer, 1840) (Noctuidae)  
**324)** *Eublemma* (rosina-gr.) *parallelum* (Freyer, 1842) (Noctuidae)  
**325)** *Euchalcia chalcophanes* Dufay, 1963 (Noctuidae)  
**326)** *Euchalcia dorsiflava* (Standfuss, 1892) (Noctuidae)  
**327)** *Euchalcia emichi* (Rogenhofer, 1873) (Noctuidae)  
**328)** *Euchalcia kitchingi* Hacker & Ronkay, 1992 (Noctuidae)  
**329)** *Euclidia glyphica* (Linnaeus, 1758) (Noctuidae)  
**330)** *Eugnorisma* (Metagnorisma) *pontica* (Staudinger, 1892) (Noctuidae)  
**331)** *Eugnorisma* (s.str.) *chaldaica* (Boisduval, 1840) (Noctuidae)  
**332)** *Eugnorisma* (s.str.) *eminens* (Lederer, 1855) (Noctuidae)  
**333)** *Euxoa* (Orosagrotis) *foeda* (Lederer, 1855) (Noctuidae)  
**334)** *Euxoa* (Pleonectopoda) *rjabovi* Kozhantshikov, 1929 (Noctuidae)  
**335)** *Euxoa* (s.str.) *aquilina* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**336)** *Euxoa* (s.str.) *conspicua* (Hübner, [1824]) (Noctuidae)  
**337)** *Euxoa* (s.str.) *distinguenta* (Lederer, 1857) (Noctuidae)  
**338)** *Euxoa* (s.str.) *heringi* Christoph, 1877 (Noctuidae)  
**339)** *Euxoa* (s.str.) *homicida* (Staudinger, 1900) (Noctuidae)  
**340)** *Euxoa* (s.str.) *obelisca* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**341)** *Euxoa* (s.str.) *scurrilis* Draudt, 1937 (Noctuidae)  
**342)** *Euxoa* (s.str.) *segnilis* (Duponchel, 1836) (Noctuidae)  
**343)** *Euxoa* (s.str.) *sulcifera* (Christoph, 1893) (Noctuidae)  
**344)** *Euxoa* (s.str.) *temera* (Hübner, [1808]) (Noctuidae)  
**345)** *Hadena* (Anepia) *perplexa* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**346)** *Hadena* (Maschukia) *pumila* (Staudinger, 1879) (Noctuidae)  
**347)** *Hadena* (s.str.) *albicula* (Borkhausen, 1792) (Noctuidae)  
**348)** *Hadena* (s.str.) *compta* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**349)** *Hadena* (s.str.) *guenei* (Staudinger, 1901) (Noctuidae)  
**350)** *Hadena* (s.str.) *humilis* (Christoph, 1893) (Noctuidae)  
**351)** *Hadena* (s.str.) *magnolii* (Boisduval, 1828) (Noctuidae)  
**352)** *Hadena* (s.str.) *purpurea* Hacker, 1996 (Noctuidae)  
**353)** *Hadena* (s.str.) *ronkayorum* Hacker, 1996 (Noctuidae)  
**354)** *Hadena* (s.str.) *staudingeri* (F. Wagner, 1931) (Noctuidae)  
**355)** *Hadena* (s.str.) *subhyrcana* Hacker, 1996 (Noctuidae)  
**356)** *Hecatera bicolorata* (Hufnagel, 1766) (Noctuidae)  
**357)** *Hecatera rhodocharis* (Brandt, 1938) (Noctuidae)  
**358)** *Heliophobus reticulata* (Goeze, 1781) (Noctuidae)  
**359)** *Heliopsis peltigera* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**360)** *Heterophysa dumetorum* (Geyer, 1834) (Noctuidae)  
**361)** *Hoplodrina ambigua* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**362)** *Hoplodrina blanda* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**363)** *Hoplodrina octogenaria* (Goeze, 1781) (Noctuidae)  
**364)** *Hoplodrina pfeifferi* (Boursin, 1932) (Noctuidae)  
**365)** *Hoplodrina respersa* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**366)** *Hypena munitalis* Mann, 1861 (Noctuidae)  
**367)** *Lacanobia* (Dianobia) *histrio* (Goeze, 1781) (Noctuidae)  
**368)** *Lacanobia* (s.str.) *w-latinum* (Hufnagel, 1766) (Noctuidae)  
**369)** *Lamprosticta culta* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**370)** *Leucania loreyi* (Duponchel, 1827) (Noctuidae)  
**371)** *Lygephila* (s.str.) *cracca* (Fabricius, 1787) (Noctuidae)



- 372)** *Lygephila* (s.str.) *pastinum* (Treitschke, 1826) (Noctuidae)  
**373)** *Megalodes eximia* (Freyer, 1845) (Noctuidae)  
**374)** *Mesoligia furuncula* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**375)** *Metachrostis dardouini* (Boisduval, 1840) (Noctuidae)  
**376)** *Mythimna* (Aletia) *l-album* (Linnaeus, 1767) (Noctuidae)  
**377)** *Mythimna* (Aletia) *sassanidica* (Hacker, 1986) (Noctuidae)  
**378)** *Mythimna* (Aletia) *vitellina* (Hübner, 1808) (Noctuidae)  
**379)** *Mythimna* (Hyphilare) *ferrago* (Fabricius, 1787) (Noctuidae)  
**380)** *Noctua* (Lampra) *fimbriata* (Schreber, 1759) (Noctuidae)  
**381)** *Noctua* (Latanocua) *orbona* (Hufnagel, 1766) (Noctuidae)  
**382)** *Noctua* (Paranoctua) *comes* (Hübner, 1813) (Noctuidae)  
**383)** *Noctua* (s.str.) *pronuba* (Linnaeus, 1758) (Noctuidae)  
**384)** *Odice arcuinna* (Hübner, 1790) (Noctuidae)  
**385)** *Oligia latruncula* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**386)** *Omphalophana antirrhini* (Hübner, 1803) (Noctuidae)  
**387)** *Oncocnemis confusa* (Freyer, 1839) (Noctuidae)  
**388)** *Oncocnemis exacta* Christoph, 1887 (Noctuidae)  
**389)** *Opigena polygona* (Fabricius, 1787) (Noctuidae)  
**390)** *Orthosia* (Semiophora) *gothica* (Linnaeus, 1758) (Noctuidae)  
**391)** *Orthosia rubricosa* (Esper, 1786) (Noctuidae)  
**392)** *Phlogophora meticulosa* (Linnaeus, 1758) (Noctuidae)  
**393)** *Plusidia cheiranthi* (Tauscher, 1809) (Noctuidae)  
**394)** *Polia sagittigera* (Hufnagel, 1766) (Noctuidae)  
**395)** *Shargacucullia* (s.str.) *barthae* Boursin, 1933 (Noctuidae)  
**396)** *Shargacucullia* (s.str.) *kurthuberi* G.Ronkay, L.Ronkay & Gyulai, 2011 (Noctuidae)  
**397)** *Shargacucullia* (s.str.) *lychnitis* (Rambur, 1833) (Noctuidae)  
**398)** *Sideridis* (Aneda) *rivularis* (Fabricius, 1775) (Noctuidae)  
**399)** *Sideridis* (Conisania) *capsivora* (Draudt, 1933) (Noctuidae)  
**400)** *Sideridis* (Luteohadena) *luteago* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**401)** *Sideridis* (s.str.) *lampira* (Schawerda, 1913) (Noctuidae)  
**402)** *Standfussiana lucerneae* (Linnaeus, 1758) (Noctuidae)  
**403)** *Tyta luctuosa* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**404)** *Ulochlana hirta* (Hübner, 1813) (Noctuidae)  
**405)** *Victrix* (Rasihia) *hackeri* Varga & Ronkay, 1991 (Noctuidae)  
**406)** *Xestia* (Megasema) *c-nigrum* (Linnaeus, 1758) (Noctuidae)  
**407)** *Cerura* (s.str.) *vinula* (Linnaeus, 1758) (Notodontidae)  
**408)** *Clostera curtula* (Linnaeus, 1758) (Notodontidae)  
**409)** *Drymonia velitaris* (Hufnagel, 1766) (Notodontidae)  
**410)** *Furcula bicuspis* (Borkhausen, 1790) (Notodontidae)  
**411)** *Harpyia milhauseri* (Fabricius, 1775) (Notodontidae)  
**412)** *Notodonta tritophus* ([Denis & Schiffermüller], 1775) (Notodontidae)  
**413)** *Pterostoma palpinum* (Linnaeus, 1761) (Notodontidae)  
**414)** *Rhegmatophila alpina* (Bellier, 1880) (Notodontidae)  
**415)** *Spatalia argentina* ([Denis & Schiffermüller], 1775) (Notodontidae)  
**416)** *Merrifieldia deprinsi* Arenberger, 1990 (Pterophoridae)  
**417)** *Stenoptilia arida* (Zeller, 1847) (Pterophoridae)  
**418)** *Catoptria mytilella* (Hübner, 1805) (Pyralidae)  
**419)** *Chrysocrambus craterellus* (Scopoli, 1763) (Pyralidae)  
**420)** *Chrysocrambus linetellus* (Fabricius, 1781) (Pyralidae)  
**421)** *Cynaeda* (Noctuella) *superba* (Freyer, 1844) (Pyralidae)  
**422)** *Cynaeda* (Usgentia) *vespertalis* (Herrich-Schäffer, 1855) (Pyralidae)  
**423)** *Endotricha flammealis* ([Denis & Schiffermüller], 1775) (Pyralidae)  
**424)** *Ephelis cruentalis* (Geyer, 1832) (Pyralidae)  
**425)** *Evergestis frumentalis* (Linnaeus, 1761) (Pyralidae)  
**426)** *Evergestis umbrosalis* (Fischer v. Röslerstamm, 1842) (Pyralidae)  
**427)** *Mecyna subequalis* (Herrich-Schäffer, 1851) (Pyralidae)  
**428)** *Megasia* (s.str.) *kocaki* Akın, 2016 (Pyralidae)  
**429)** *Metaxmeste sericatalis* (Herrich-Schäffer, 1848) (Pyralidae)  
**430)** *Nomophila noctuella* ([Denis & Schiffermüller], 1775) (Pyralidae)  
**431)** *Pyrausta aerealis* (Hübner, 1793) (Pyralidae)  
**432)** *Pyrausta aurata* (Scopoli, 1763) (Pyralidae)  
**433)** *Pyrausta despicata* (Scopoli, 1763) (Pyralidae)  
**434)** *Pyrausta obfusca* (Scopoli, 1763) (Pyralidae)  
**435)** *Pyrausta porphyralis* ([Denis & Schiffermüller], 1775) (Pyralidae)  
**436)** *Synaphe antennalis* (Fabricius, 1794) (Pyralidae)  
**437)** *Synaphe consecratalis* (Lederer, 1855) (Pyralidae)  
**438)** *Tretopteryx pertusalis* (Geyer, 1832) (Pyralidae)  
**439)** *Udea ferrugalis* (Hübner, 1796) (Pyralidae)  
**440)** *Udea numeralis* (Hübner, 1796) (Pyralidae)  
**441)** *Scythris* (pascuella-gr.) *subaeriella* (Stainton, 1867) (Scythridae)  
**442)** *Scythris deprinsi* Bengtsson, 2005 (Scythridae)  
**443)** *Bembecia* (Pseudosphecia) *stiziformis* (Herrich-Schäffer, 1851) (Sesiidae)  
**444)** *Chamaesphecia astatifomis* (Herrich-Schäffer, 1846) (Sesiidae)  
**445)** *Deilephila porcellus* (Linnaeus, 1758) (Sphingidae)  
**446)** *Deilephila suellus* Staudinger, 1878 (Sphingidae)  
**447)** *Hemaris* (Cochrania) *croatica* (Esper, 1779) (Sphingidae)  
**448)** *Hemaris* (Eitschbergera) *tityus* (Linnaeus, 1758) (Sphingidae)  
**449)** *Hyles nicaea* (Prunner, 1798) (Sphingidae)  
**450)** *Laothoe populeti* (Bienert, 1870) (Sphingidae)  
**451)** *Macroglossum stellatarum* (Linnaeus, 1758) (Sphingidae)  
**452)** *Sphingonaepiopsis gorgoniades* (Hübner, 1819) (Sphingidae)  
**453)** *Tethea ocularis* (Linnaeus, 1767) (Thyatiridae)  
**454)** *Tethea* or ([Denis & Schiffermüller], 1775) (Thyatiridae)  
**455)** *Aethes hartmanniana* (Clerck, 1759) (Tortricidae)  
**456)** *Aphelia* (Zelotheres) *ferugana* (Hübner, 1793) (Tortricidae)  
**457)** *Choristoneura hebenstreitella* (Müller, 1764) (Tortricidae)  
**458)** *Eugnosta magnificana* (Rebel, 1914) (Tortricidae)  
**459)** *Tortrix viridana* (Linnaeus, 1758) (Tortricidae)  
**460)** *Plutella* (s.str.) *xylostella* (Linnaeus, 1758) (Yponomeutidae)  
**461)** *Adscita* (s.str.) *storaiae* (Tarmann, 1977) (Zygaenidae)  
**462)** *Zygaena* (Agrumenia) *olivieri* Boisduval, 1828 (Zygaenidae)  
**463)** *Zygaena* (Mesembrynus) *minos* ([Denis & Schiffermüller], 1775) (Zygaenidae)  
**464)** *Zygaena* (Mesembrynus) *punctum* Ochsenheimer, 1808 (Zygaenidae)  
**465)** *Zygaena* (s.str.) *dorycnii* Ochsenheimer, 1808 (Zygaenidae)  
**466)** *Zygaena* (s.str.) *filipendulae* (Linnaeus, 1758) (Zygaenidae)  
**467)** *Zygaena* (s.str.) *ioniceriae* (Scheven, 1777) (Zygaenidae)  
**468)** *Zygaena* (s.str.) *osterodensis* H.Reiss, 1921 (Zygaenidae)

### Darende (44E) (Malatya Prov.) (Figs.6,7) (including Karahan pass, Kalecik)

#### Butterflies

- 1)** *Argynnis* (Fabriciana) *niobe* (Linnaeus, 1758) (Argynnidae)  
**2)** *Melitaea* (Cinclidia) *ornata* Christoph, 1893 (Argynnidae)  
**3)** *Melitaea* (Didymaeformis) *didyma* (Esper, 1779) (Argynnidae)  
**4)** *Melitaea* (s.str.) *cinxia* (Linnaeus, 1758) (Argynnidae)  
**5)** *Nymphalis polychloros* (Linnaeus, 1758) (Argynnidae)  
**6)** *Polygonia* (Comma) *egea* (Cramer, 1775) (Argynnidae)  
**7)** *Vanessa* (Cynthia) *cardui* (Linnaeus, 1758) (Argynnidae)  
**8)** *Carcharodus* (Reverdinus) *orientalis* Reverdin, 1913 (Hesperiidae)  
**9)** *Spialia* (Neospialia) *orbifer* (Hübner, 1823) (Hesperiidae)  
**10)** *Chilades* (Freyeria) *trochylus* (Freyer, 1843) (Lycaenidae)  
**11)** *Cupido* (s.str.) *osiris* (Meigen, 1829) (Lycaenidae)  
**12)** *Glaucoopsyche* (Apelles) *astraea* (Freyer, 1851) (Lycaenidae)  
**13)** *Lampides boeticus* (Linnaeus, 1767) (Lycaenidae)  
**14)** *Lycaena* (Thersamonia) *asabinus* (Gerhard, 1850) (Lycaenidae)  
**15)** *Lycaena* (Thersamonia) *kefersteinii* (Gerhard, 1850) (Lycaenidae)  
**16)** *Polyommatus* (Albulina) (Plebejidea) *loewii* (Zeller, 1847) (Lycaenidae)  
**17)** *Polyommatus* (Aricia) (Pseudoaricia) *isauricus* (Staudinger, 1871) (Lycaenidae)  
**18)** *Polyommatus* (Aricia) (s.str.) *agestis* ([Denis & Schiffermüller], 1775) (Lycaenidae)  
**19)** *Polyommatus* (s.str.) (Agrodiaetus) (Admetusia) *admetus* (Esper, 1783) (Lycaenidae)  
**20)** *Polyommatus* (s.str.) (Agrodiaetus) (Admetusia) *alceste* (Zerny, 1932) (Lycaenidae)  
**21)** *Polyommatus* (s.str.) (Agrodiaetus) (Antidolus) *menalcas* (Freyer, 1837) (Lycaenidae)

- 22)** *Polyommatus* (s.str.) (*Agrodiaetus* (*Antidolus*))) *mithridates* (Staudinger,1878) (*Lycaenidae*)
- 23)** *Polyommatus* (s.str.) (*Agrodiaetus* (*Damaia*))) *hopfferi* (Gerhard,[1851]) (*Lycaenidae*)
- 24)** *Polyommatus* (s.str.) (*Agrodiaetus* (*Damaia*))) *poseidon* (Herrich-Schäffer,[1851]) (*Lycaenidae*)
- 25)** *Polyommatus* (s.str.) (*Lysandra*) *bellargus* (Rottensburg,1775) (*Lycaenidae*)
- 26)** *Rubrapterus bavius* (Eversmann,1832) (*Lycaenidae*)
- 27)** *Satyrrium* (*Armenia*) *ledereri* (Boisduval,1848) (*Lycaenidae*)
- 28)** *Satyrrium* (*Strymonidia*) *spini* (Fabricius,1787) (*Lycaenidae*)
- 29)** *Satyrrium* (*Strymonidia*) *w-album* (Knoch,1782) (*Lycaenidae*)
- 30)** *Tomares* (*nogelii*) *nogelii* (Freyer,[1851]) (*Lycaenidae*)
- 31)** *Turanana endymion* (Freyer,[1850]) (*Lycaenidae*)
- 32)** *Iphiclides podalirius* (Linnaeus,1758) (*Papilionidae*)
- 33)** *Anthocharis grueneri* Herrich-Schäffer,[1851] (*Pieridae*)
- 34)** *Aporia* (s.str.) *crataegi* (Linnaeus,1758) (*Pieridae*)
- 35)** *Colias* (s.str.) *alfacariensis* Ribbe,1905 (*Pieridae*)
- 36)** *Euchloe* (*Elphinstonia*) *penia* (Freyer,[1852]) (*Pieridae*)
- 37)** *Pieris* (s.str.) *brassicae* (Linnaeus,1758) (*Pieridae*)
- 38)** *Pontia callidice* (Hübner,[1800]) (*Pieridae*)
- 39)** *Pontia edusa* (Fabricius,1777) (*Pieridae*)
- 40)** *Coenonympha* (s.str.) *saadi* (Kollar,[1849]) (*Satyridae*)
- 41)** *Hyponephele* (s.str.) (*Ereminephele*) *naricoides* Gross,1977 (*Satyridae*)
- 42)** *Hyponephele* (s.str.) (*Turaninephele*) *wagneri* (Herrich-Schäffer,[1846]) (*Satyridae*)
- 43)** *Melanargia* (*Turcargia*) *larissa* (Geyer,[1828]) (*Satyridae*)
- 44)** *Pseudochazara* (*Achazara*) *anthelea* (Hübner,[1824]) (*Satyridae*)
- 45)** *Arctia* (*Epicalia*) *villica* (Linnaeus,1758) (*Arctiidae*)
- 46)** *Coleophora botarella* Herrich-Schäffer,1861 (*Coleophoridae*)
- 47)** *Ochromolopis zagulajevi* Budashkin & Sachkov,1991 (*Epermeniidae*)
- 48)** *Agnippe pseudolella* (Christoph,1888) (*Gelechiidae*)
- 49)** *Caryocolum albithoracellum* Huemer,1989 (*Gelechiidae*)
- 50)** *Nothris sulcella* Staudinger,1879 (*Gelechiidae*)
- 51)** *Aplocera obsitaria* (Lederer,1853) (*Geometridae*)
- 52)** *Aplocera opificata* (Lederer,1870) (*Geometridae*)
- 53)** *Aplocera plagiata* (Linnaeus,1758) (*Geometridae*)
- 54)** *Docirava mundata* (Staudinger,1892) (*Geometridae*)
- 55)** *Rhodostrophia* (*Asiatrophia*) *auctata* (Staudinger,1879) (*Geometridae*)
- 56)** *Stegania dilectaria* (Hübner,1790) (*Geometridae*)
- 57)** *Lemonia pia* Püngeler,1902 (*Lemoniidae*)
- 58)** *Polymona lapidicola* (Herrich-Schäffer,[1852]) (*Lymantriidae*)
- 59)** *Agrotis* (*Crassagrotis*) *obesa* (Boisduval,1829) (*Noctuidae*)
- 60)** *Agrotis* (s.str.) *clavis* (Hufnagel,1766) (*Noctuidae*)
- 61)** *Atethmia centrugo* (Haworth,[1809]) (*Noctuidae*)
- 62)** *Catocala* (s.str.) *neonympha* (Esper,[1805]) (*Noctuidae*)
- 63)** *Catocala* (s.str.) *nymphagoga* (Esper,[1787]) (*Noctuidae*)
- 64)** *Dichagyris* (s.str.) *amoena* (Staudinger,1892) (*Noctuidae*)
- 65)** *Dichagyris* (s.str.) *squalidior* (Staudinger,1901) (*Noctuidae*)
- 66)** *Dichagyris* (s.str.) *terminicincta* (Corti & Draudt,1933) (*Noctuidae*)
- 67)** *Episema amasina* (Hampson,1906) (*Noctuidae*)
- 68)** *Episema korsakovi* (Christoph,1885) (*Noctuidae*)
- 69)** *Episema lederi* Christoph,1885 (*Noctuidae*)
- 70)** *Eublemma* (*albida-gr.*) *gratissimum* (Staudinger,1892) (*Noctuidae*)
- 71)** *Eublemma* (*rosina-gr.*) *panonicum* (Freyer,1840) (*Noctuidae*)
- 72)** *Eugnorisma* (*Metagnorisma*) *enargiaris* (Draudt,1936) (*Noctuidae*)
- 73)** *Eulocastra diaphora* (Staudinger,1879) (*Noctuidae*)
- 74)** *Euxoa* (s.str.) *homicida* (Staudinger,1900) (*Noctuidae*)
- 75)** *Hadena* (*Maschukia*) *pumila* (Staudinger,1879) (*Noctuidae*)
- 76)** *Hypena munitalis* Mann,1861 (*Noctuidae*)
- 77)** *Lycophorus ankarensis* (Rebel,1931) (*Noctuidae*)
- 78)** *Margelana flavidioides* Wagner,1831 (*Noctuidae*)
- 79)** *Mythimna* (*Aletia*) *l-album* (Linnaeus,1767) (*Noctuidae*)
- 80)** *Mythimna* (*Aletia*) *vitellina* (Hübner,[1808]) (*Noctuidae*)
- 81)** *Noctua* (s.str.) *pronuba* (Linnaeus,1758) (*Noctuidae*)
- 82)** *Rhyacia* (s.str.) *lucipeta* ([Denis & Schiffermüller],1775) (*Noctuidae*)
- 83)** *Tyta luctuosa* ([Denis & Schiffermüller],1775) (*Noctuidae*)
- 84)** *Ulochlana hirta* (Hübner,[1813]) (*Noctuidae*)
- 85)** *Zekelita* (*Ravalita*) *ravalis* (Herrich-Schäffer,[1852]) (*Noctuidae*)
- 86)** *Bradyrrhoa gilveolella* (Treitschke,1833) (*Pyrilidae*)
- 87)** *Cynaeda* (s.str.) *gigantea* (Staudinger,1879) (*Pyrilidae*)
- 88)** *Dolicharthria bruguieralis* (Duponchel,1833) (*Pyrilidae*)
- 89)** *Euzophora* (s.str.) *lunulella* (Costa,1836) (*Pyrilidae*)
- 90)** *Evergestis desertalis* (Hübner,[1813]) (*Pyrilidae*)
- 91)** *Evergestis mundalis* (Guenée,1854) (*Pyrilidae*)
- 92)** *Evergestis politalis* ([Denis & Schiffermüller],1775) (*Pyrilidae*)
- 93)** *Loxostege sticticalis* (Linnaeus,1761) (*Pyrilidae*)
- 94)** *Mecyna lutulentalis* (Lederer,1858) (*Pyrilidae*)
- 95)** *Mecyna subequalis* (Herrich-Schäffer,1851) (*Pyrilidae*)
- 96)** *Metacrambus carectellus* (Zeller,1847) (*Pyrilidae*)
- 97)** *Metasia* (s.str.) *subtilialis* Caradja,1916 (*Pyrilidae*)
- 98)** *Moitrelia obductella* (Zeller,1839) (*Pyrilidae*)
- 99)** *Phycitodes binaevella* (Hübner,[1813]) (*Pyrilidae*)
- 100)** *Phycitodes lacteella* (Rothschild,1915) (*Pyrilidae*)
- 101)** *Pyrausta ferrealis* (Hampson,1900) (*Pyrilidae*)
- 102)** *Pyrausta pauperalis* (Staudinger,1879) (*Pyrilidae*)
- 103)** *Synaphe berytalis* (Ragonot,1888) (*Pyrilidae*)
- 104)** *Synoria antiquella* (Herrich-Schäffer,[1855]) (*Pyrilidae*)
- 105)** *Udea ferrugalis* (Hübner,1796) (*Pyrilidae*)
- 106)** *Laothoe populeti* (Bienert,[1870]) (*Sphingidae*)

## Moths

## Gürün (58G) (Figs. 8,9)

(including Gökpinar, Mazıkıran, Ziyaret pass)

## Butterflies

- 1)** *Aglais urticae* (Linnaeus,1758) (*Argynniidae*)
- 2)** *Argynnis* (*Pandoriana*) *pandora* ([Denis & Schiffermüller],1775) (*Argynniidae*)
- 3)** *Brenthis hecate* ([Denis & Schiffermüller],1775) (*Argynniidae*)
- 4)** *Issoria lathonia* (Linnaeus,1758) (*Argynniidae*)
- 5)** *Melitaea* (*Cinclidia*) *ornata* Christoph,1893 (*Argynniidae*)
- 6)** *Melitaea* (s.str.) *cinxia* (Linnaeus,1758) (*Argynniidae*)
- 7)** *Polygonia* (*Comma*) *egea* (Cramer,[1775]) (*Argynniidae*)
- 8)** *Vanessa* (*Cynthia*) *cardui* (Linnaeus,1758) (*Argynniidae*)
- 9)** *Vanessa* (s.str.) *atalanta* (Linnaeus,1758) (*Argynniidae*)
- 10)** *Carcharodus* (*Lavatheria*) *lavatherae* (Esper,[1783]) (*Hesperiidae*)
- 11)** *Carcharodus* (*Lavatheria*) *stauderi* Reverdin,1913 (*Hesperiidae*)
- 12)** *Carcharodus* (Reverdinus) *orientalis* Reverdin,1913 (*Hesperiidae*)
- 13)** *Hesperia comma* (Linnaeus,1758) (*Hesperiidae*)
- 14)** *Muschampia proteides* (F.Wagner,1929) (*Hesperiidae*)
- 15)** *Pyrgus armoricanus* (Oberthür,1910) (*Hesperiidae*)
- 16)** *Pyrgus serratulae* (Rambur,[1839]) (*Hesperiidae*)
- 17)** *Spialia* (*Neospialia*) *orbifer* (Hübner,[1823]) (*Hesperiidae*)
- 18)** *Spialia* (s.str.) *phlomidis* (Herrich-Schäffer,[1845]) (*Hesperiidae*)
- 19)** *Thymelicus sylvestris* (Poda,1761) (*Hesperiidae*)
- 20)** *Callophrys danchenkoi* Zhdanko,1998 (*Lycaenidae*)
- 21)** *Chilades* (*Freyeria*) *trochylus* (Freyer,[1843]) (*Lycaenidae*)
- 22)** *Cupido* (s.str.) *minimus* (Fuessly,1775) (*Lycaenidae*)
- 23)** *Glauropsyche* (*Apelles*) *astraea* (Freyer,[1851]) (*Lycaenidae*)
- 24)** *Lampides boeticus* (Linnaeus,1767) (*Lycaenidae*)
- 25)** *Lycaena* (*Alciphronia*) *alciphron* (Rottensburg,1775) (*Lycaenidae*)
- 26)** *Lycaena* (*Loweia*) *tityrus* (Poda,1761) (*Lycaenidae*)
- 27)** *Lycaena* (*Thersamonia*) *asabinus* (Gerhard,[1850]) (*Lycaenidae*)
- 28)** *Lycaena* (*Thersamonia*) *kefersteinii* (Gerhard,[1850]) (*Lycaenidae*)
- 29)** *Lycaena* (*Thersamonia*) *thersamon* (Esper,[1784]) (*Lycaenidae*)
- 30)** *Lycaena* (*Thersamonia*) *thetis* (Klug,1834) (*Lycaenidae*)
- 31)** *Lycaena* (s.str.) *phlaeas* (Linnaeus,1761) (*Lycaenidae*)
- 32)** *Plebejus* (*Kretania*) *carmon* (Gerhard,[1851]) (*Lycaenidae*)
- 33)** *Polyommatus* (*Albulina*) (*Plebejidea*) *loewii* (Zeller,1847) (*Lycaenidae*)



- 34) Polyommatus (*Aricia* (s.str.)) *agestis* ([Denis & Schiffermüller],1775) (Lycaenidae)  
 35) Polyommatus (s.str. (*Agrodiaetus* (*Admetusia*))) *alcestis* (Zerny,1932) (Lycaenidae)  
 36) Polyommatus (s.str. (*Agrodiaetus* (*Admetusia*))) *demavendi* (Pfeiffer,1938) (Lycaenidae)  
 37) Polyommatus (s.str. (*Agrodiaetus* (*Antidolus*))) *menalcas* (Freyer,[1837]) (Lycaenidae)  
 38) Polyommatus (s.str. (*Agrodiaetus* (*Antidolus*))) *mithridates* (Staudinger,1878) (Lycaenidae)  
 39) Polyommatus (s.str. (*Agrodiaetus* (*Damaia*))) *hopfferi* (Gerhard,[1851]) (Lycaenidae)  
 40) Polyommatus (s.str. (*Agrodiaetus* (*Damaia*))) *poseidon* (Herrich-Schäffer,[1851]) (Lycaenidae)  
 41) Polyommatus (s.str. (*Agrodiaetus* (*Musa*))) *maraschi* (Forster,1956) (Lycaenidae)  
 42) Polyommatus (s.str. (*Lysandra*)) *ossmar* (Gerhard,[1851]) (Lycaenidae)  
 43) Polyommatus (s.str. (*Meleageria*)) *daphnis* ([Denis & Schiffermüller],1775) (Lycaenidae)  
 44) Polyommatus (s.str. (*Thersitesia*)) *thersites* (Canterer,[1835]) (Lycaenidae)  
 45) Polyommatus (s.str.) *icarus* (Rottentburg,1775) (Lycaenidae)  
 46) *Pseudophilotes vicrama* (Moore,1865) (Lycaenidae)  
 47) *Rubrapterus bavius* (Eversmann,1832) (Lycaenidae)  
 48) *Satyrrium* (*Armenia*) *ledereri* (Boisduval,1848) (Lycaenidae)  
 49) *Satyrrium* (*Nordmannia*) *abdominalis* (Gerhard,[1850]) (Lycaenidae)  
 50) *Satyrrium* (*Strymonidia*) *spini* (Fabricius,1787) (Lycaenidae)  
 51) *Turanana endymion* (Freyer,[1850]) (Lycaenidae)  
 52) *Archon apollinus* (Herbst,1798) (Papilionidae)  
 53) *Iphiclus podalirius* (Linnaeus,1758) (Papilionidae)  
 54) *Papilio* (s.str. (*Alexanoria*)) *alexanor* (Esper,[1800]) (Papilionidae)  
 55) *Zerynthia* (*Allanacstria*) *deyrollei* (Oberthür,1869) (Papilionidae)  
 56) *Zerynthia* (*Allanacstria*) *deyrollei* (Oberthür,1869) (Papilionidae)  
 57) *Anthocharis grueneri* Herrich-Schäffer,[1851] (Pieridae)  
 58) *Colias* (*Eriocolias*) *crocea* (Fourcroy,1785) (Pieridae)  
 59) *Colias* (s.str.) *alfacariensis* Ribbe,1905 (Pieridae)  
 60) *Euchloe* (s.str.) *ausonia* (Hübner,[1804]) (Pieridae)  
 61) *Gonepteryx* (s.str.) *farinosa* (Zeller,1847) (Pieridae)  
 62) *Leptidea duponcheli* (Staudinger,1871) (Pieridae)  
 63) *Pieris* (*Artogeia*) *ergane* (Geyer,[1828]) (Pieridae)  
 64) *Pieris* (*Artogeia*) *krueperi* (Staudinger,1860) (Pieridae)  
 65) *Pieris* (*Artogeia*) *pseudorapae* (Verity,1908) (Pieridae)  
 66) *Pieris* (*Artogeia*) *rapae* (Linnaeus,1758) (Pieridae)  
 67) *Pieris* (s.str.) *brassicae* (Linnaeus,1758) (Pieridae)  
 68) *Pontia edusa* (Fabricius,1777) (Pieridae)  
 69) *Zegris eupheme* (Esper,[1804]) (Pieridae)  
 70) *Arethusana arethusa* ([Denis & Schiffermüller],1775) (Satyridae)  
 71) *Chazara* (*Neochazara*) *anthe* (Hoffmannsegg,1804) (Satyridae)  
 72) *Chazara* (s.str.) *briseis* (Linnaeus,1764) (Satyridae)  
 73) *Chazara* (s.str.) *briseis pirata* (Esper,[1793]) (Satyridae)  
 74) *Coenonympha* (s.str.) *pamphilus* (Linnaeus,1758) (Satyridae)  
 75) *Coenonympha* (s.str.) *saadi* (Kollar,[1849]) (Satyridae)  
 76) *Hipparchia* (*Neohipparchia*) *parisatis* (Kollar,[1849]) (Satyridae)  
 77) *Hyponephele* (s.str. (*Ereminephele*)) *naricoides* Gross,1977 (Satyridae)  
 78) *Hyponephele* (s.str. (*Turaninephele*)) *wagneri* (Herrich-Schäffer,[1846]) (Satyridae)  
 79) *Lasiommata maera* (Linnaeus,1758) (Satyridae)  
 80) *Maniola* (*Telmessiola*) *telmessia* (Zeller,1847) (Satyridae)  
 81) *Maniola* (*Telmessiola*) *telmessia telmessia* (Zeller,1847) (Satyridae)  
 82) *Maniola* (s.str.) *jurtina* (Linnaeus,1758) (Satyridae)  
 83) *Melanargia* (*Turcargia*) *larissa* (Geyer,[1828]) (Satyridae)  
 84) *Proterebia afra* (Fabricius,1787) (Satyridae)  
 85) *Pseudochazara* (s.str.) *geyeri* (Herrich-Schäffer,[1846]) (Satyridae)  
 86) *Pseudochazara* (s.str.) *mamura* (Herrich-Schäffer,[1846]) (Satyridae)
- ### Moths
- 87) *Alucita grammodyctyla* Zeller,1841 (Alucitidae)  
 88) *Arctia* (*Eucharia*) *festiva* (Hufnagel,1766) (Arctiidae)  
 89) *Chelis reticulata* (Christoph,1887) (Arctiidae)  
 90) *Lacydes spectabilis* (Tauscher,1806) (Arctiidae)  
 91) *Manulea* (s.str.) *complanata* (Linnaeus,1758) (Arctiidae)  
 92) *Paidia* (s.str.) *cinerascens* (Herrich-Schäffer,[1847]) (Arctiidae)  
 93) *Phragmatobia placida* (Frivaldsky,1835) (Arctiidae)  
 94) *Arragonia anatolica* Gozmany,1986 (Autostichidae)  
 95) *Axia* (*Epicimelia*) *theresia* (Korb,1900) (Cimeliidae)  
 96) *Coleophora adelogrammella* Zeller,1849 (Coleophoridae)  
 97) *Coleophora albipennella* (Staudinger,1879) (Coleophoridae)  
 98) *Coleophora albotitae* Rebel,1935 (Coleophoridae)  
 99) *Coleophora ammophora* (Falkovitsh,1989) (Coleophoridae)  
 100) *Coleophora astragalella* Zeller,1849 (Coleophoridae)  
 101) *Coleophora christenseni* (Baldizzone,1983) (Coleophoridae)  
 102) *Coleophora coronillae* Zeller,1849 (Coleophoridae)  
 103) *Coleophora ditella* Zeller,1849 (Coleophoridae)  
 104) *Coleophora eupreta* Walsingham,1907 (Coleophoridae)  
 105) *Coleophora ferruginea* Baldizzone,1994 (Coleophoridae)  
 106) *Coleophora gaviaepennella* Toll,1952 (Coleophoridae)  
 107) *Coleophora gazella* Toll,1952 (Coleophoridae)  
 108) *Coleophora gurunensis* (Baldizzone,1994) (Coleophoridae)  
 109) *Coleophora kroneella* Fuchs,1899 (Coleophoridae)  
 110) *Coleophora lixella* Zeller,1849 (Coleophoridae)  
 111) *Coleophora necessaria* Staudinger,1880 (Coleophoridae)  
 112) *Coleophora obtectella* Zeller,1849 (Coleophoridae)  
 113) *Coleophora onobrychiella* Zeller,1849 (Coleophoridae)  
 114) *Coleophora oriolella* Zeller,1849 (Coleophoridae)  
 115) *Coleophora parcella* Toll,1952 (Coleophoridae)  
 116) *Coleophora pennella* ([Denis & Schiffermüller],1775) (Coleophoridae)  
 117) *Coleophora phlomidis* Stainton,1867 (Coleophoridae)  
 118) *Coleophora phrygiae* Baldizzone,1994 (Coleophoridae)  
 119) *Coleophora qulikushella* Toll,1959 (Coleophoridae)  
 120) *Coleophora serpyllatorum* Hering,1889 (Coleophoridae)  
 121) *Coleophora sobrinella* Toll,1944 (Coleophoridae)  
 122) *Coleophora stramentella* Zeller,1849 (Coleophoridae)  
 123) *Coleophora univittella* Staudinger,1880 (Coleophoridae)  
 124) *Coleophora valesianella* Zeller,1849 (Coleophoridae)  
 125) *Hodgesiella christophi* Koster & Sinev,2003 (Cosmopterigidae)  
 126) *Vulcaniella glaseri* (Riedl,1966) (Cosmopterigidae)  
 127) *Cossulus argentatus* (Staudinger,1887) (Cossidae)  
 128) *Cossulus lignosus* (Brandt,1938) (Cossidae)  
 129) *Cossulus nedretus* De Freina & Yakovlev,2005 (Cossidae)  
 130) *Cossus cossus* (Linnaeus,1758) (Cossidae)  
 131) *Dyspessa defreina* Yakovlev,2008 (Cossidae)  
 132) *Amata aequipuncta* (Turati,1917) (Ctenuchidae)  
 133) *Amata rossica* (Turati,1917) (Ctenuchidae)  
 134) *Ochromolopis zagulajevi* Budashkin & Sachkov,1991 (Epermeniidae)  
 135) *Caryocolum schleichi* (Christoph,1872) (Gelechiidae)  
 136) *Nothris sabulosella* Rebel,1935 (Gelechiidae)  
 137) *Nothris verbasella* ([Denis & Schiffermüller],1775) (Gelechiidae)  
 138) *Syncopacma semicostella* (Staudinger,1871) (Gelechiidae)  
 139) *Aplocera columbata* (Metzner,1845) (Geometridae)  
 140) *Aspitates quadripunctata* (Goeze,1781) (Geometridae)  
 141) *Coenotephria florianii* Hausmann,2011 (Geometridae)  
 142) *Dyscia* (*Rjabovana*) *negrama* (Wehrli,1950) (Geometridae)  
 143) *Eupithecia pinkeri* Mironov,1991 (Geometridae)  
 144) *Glossotrophia* (s.str.) *diffinaria* (L.B.Prout,1913) (Geometridae)  
 145) *Lithostege ancyra* L.B.Prout,1938 (Geometridae)  
 146) *Selidosema plumarium* ([Denis & Schiffermüller],1775) (Geometridae)  
 147) *Aspilapteryx* (*Sabulopteryx*) *inquinata* (Triberti,1985) (Gracillariidae)  
 148) *Gastropacha* (s.str.) *quercifolia* (Linnaeus,1758) (Lasiocampidae)  
 149) *Phylodesma* (s.str.) *tremulifolium* (Hübner,[1810]) (Lasiocampidae)  
 150) *Lemonia pia* Püngeler,1902 (Lemoniidae)  
 151) *Euproctis chrysorrhoea* (Linnaeus,1758) (Lymantriidae)  
 152) *Leucoma salicis* (Linnaeus,1758) (Lymantriidae)  
 153) *Stigmella divina* Puplensis, Diskus & Van Nieukerken,1997 (Nepticulidae)  
 154) *Aedophron rhodites* (Eversmann,1851) (Noctuidae)  
 155) *Agrochola* (*Alpichola*) *egorovi* (O.Bang-Haas,1934) (Noctuidae)  
 156) *Agrochola* (*Anchoscelis*) *kindermannii* (Fischer v. Röslerstamm,[1841]) (Noctuidae)  
 157) *Agrochola* (*Anchoscelis*) *luteogrisea* (W.Warren,1911) (Noctuidae)  
 158) *Agrochola* (*Anchoscelis*) *rupicapra* (Staudinger,1879) (Noctuidae)  
 159) *Agrotis* (*Crassagrotis*) *obesa* (Boisduval,1829) (Noctuidae)  
 160) *Agrotis* (s.str.) *desertorum* (Boisduval,1840) (Noctuidae)

- 161)** *Agrotis* (s.str.) *exclamationis* (Linnaeus, 1758) (Noctuidae)  
**162)** *Agrotis* (s.str.) *ipilon* (Hufnagel, 1766) (Noctuidae)  
**163)** *Agrotis* (s.str.) *scruposa* (Draudt, 1936) (Noctuidae)  
**164)** *Agrotis* (s.str.) *segetum* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**165)** *Allophyes* (s.str.) *asiatica* (Staudinger, 1892) (Noctuidae)  
**166)** *Allophyes* (s.str.) *metaxys* Boursin, 1953 (Noctuidae)  
**167)** *Ammoconia* *senex* (Geyer, [1828]) (Noctuidae)  
**168)** *Amphipyra* (s.str.) *tetra* (Fabricius, 1787) (Noctuidae)  
**169)** *Antitype* *jonis* (Lederer, 1865) (Noctuidae)  
**170)** *Autographa* *aemula* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**171)** *Autophila* (*Cheirophanes*) *plattneri* Boursin, 1955 (Noctuidae)  
**172)** *Autophila* (s.str.) *asiatica* (Staudinger, 1888) (Noctuidae)  
**173)** *Autophila* (s.str.) *banghaasi* Boursin, 1940 (Noctuidae)  
**174)** *Autophila* (s.str.) *libanotica* (Staudinger, 1901) (Noctuidae)  
**175)** *Calophasia* *lunula* (Hufnagel, 1766) (Noctuidae)  
**176)** *Caradrina* (*Boursinidrina*) *rjabovi* (Boursin, 1936) (Noctuidae)  
**177)** *Caradrina* (*Eremodrina*) *avis* (Pinker, 1980) (Noctuidae)  
**178)** *Caradrina* (*Eremodrina*) *inumbata* (Staudinger, 1900) (Noctuidae)  
**179)** *Caradrina* (*Eremodrina*) *zernyi* (Boursin, 1936) (Noctuidae)  
**180)** *Caradrina* (*Paradrina*) *clavipalpis* (Scopoli, 1763) (Noctuidae)  
**181)** *Caradrina* (*Platyperigea*) *kadenii* (Freyer, 1836) (Noctuidae)  
**182)** *Caradrina* (*Platyperigea*) *montana* (Bremer, 1861) (Noctuidae)  
**183)** *Catocala* (s.str.) *elocata* (Esper, [1787]) (Noctuidae)  
**184)** *Catocala* (s.str.) *lupina* Herrich-Schäffer, [1851] (Noctuidae)  
**185)** *Chersotis* (s.str.) *friedeli* Pinker, 1974 (Noctuidae)  
**186)** *Chersotis* (s.str.) *glebosa* (Staudinger, 1900) (Noctuidae)  
**187)** *Chersotis* (s.str.) *gratissima* (Corti, 1932) (Noctuidae)  
**188)** *Chersotis* (s.str.) *illauta* (Draudt, 1936) (Noctuidae)  
**189)** *Chersotis* (s.str.) *juvenis* (Staudinger, 1901) (Noctuidae)  
**190)** *Chersotis* (s.str.) *laeta* (Rebel, 1904) (Noctuidae)  
**191)** *Chersotis* (s.str.) *larixia* (Guenée, 1852) (Noctuidae)  
**192)** *Chersotis* (s.str.) *margaritacea* (Villers, 1789) (Noctuidae)  
**193)** *Chersotis* (s.str.) *ronkayorum* Fibiger Hacker & Varga, 1992 (Noctuidae)  
**194)** *Chersotis* (s.str.) *sarhada* Brandt, 1941 (Noctuidae)  
**195)** *Chersotis* (s.str.) *stenographa* Varga, 1979 (Noctuidae)  
**196)** *Conistra* (s.str.) *asiatica* Pinker, 1980 (Noctuidae)  
**197)** *Cryphia* (*Bryoleuca*) *seladona* (Christoph, 1885) (Noctuidae)  
**198)** *Cryphia* (*Bryoleuca*) *thamanea* (Hampson, 1908) (Noctuidae)  
**199)** *Cryphia* (*Bryophila*) *maeonis* (Lederer, 1865) (Noctuidae)  
**200)** *Cucullia* (s.str.) *argentina* (Fabricius, 1787) (Noctuidae)  
**201)** *Dasypolia* (s.str.) *ferdinandi* Rühl, 1892 (Noctuidae)  
**202)** *Dichagyris* (*Albocosta*) *flammatra* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**203)** *Dichagyris* (*Stenosomides*) *sureyae* (Rebel, 1931) (Noctuidae)  
**204)** *Dichagyris* (*Yigoga*) *eureteocles* (Boursin, 1940) (Noctuidae)  
**205)** *Dichagyris* (*Yigoga*) *latipennis* (Püngeler, 1909) (Noctuidae)  
**206)** *Dichagyris* (*Yigoga*) *lutescens* (Eversmann, 1844) (Noctuidae)  
**207)** *Dichagyris* (*Yigoga*) *nachadira* (Brandt, 1941) (Noctuidae)  
**208)** *Dichagyris* (*Yigoga*) *serraticornis* (Staudinger, 1898) (Noctuidae)  
**209)** *Dichagyris* (*Yigoga*) *truculenta* (Lederer, 1853) (Noctuidae)  
**210)** *Dichagyris* (s.str.) *amoena* (Staudinger, 1892) (Noctuidae)  
**211)** *Dichagyris* (s.str.) *cataleipa* Varga, 1993 (Noctuidae)  
**212)** *Dichagyris* (s.str.) *contermina* (Corti, 1929) (Noctuidae)  
**213)** *Dichagyris* (s.str.) *leucomelas* Brandt, 1941 (Noctuidae)  
**214)** *Dichagyris* (s.str.) *melanura* (Kollar, 1846) (Noctuidae)  
**215)** *Dichagyris* (s.str.) *squalidior* (Staudinger, 1901) (Noctuidae)  
**216)** *Dichagyris* (s.str.) *squalorum* (Eversmann, 1856) (Noctuidae)  
**217)** *Dichagyris* (s.str.) *terminicincta* (Corti & Draudt, 1933) (Noctuidae)  
**218)** *Dichagyris* (s.str.) *vallesiaca* (Boisduval, [1837]) (Noctuidae)  
**219)** *Drasteria* *caucasica* (Kolenati, 1846) (Noctuidae)  
**220)** *Drasteria* *saisani* (Staudinger, 1882) (Noctuidae)  
**221)** *Earias* *syriacana* Bartel, 1903 (Noctuidae)  
**222)** *Episema* *amasina* (Hampson, 1906) (Noctuidae)  
**223)** *Episema* *didymogramma* (Boursin, 1955) (Noctuidae)  
**224)** *Episema* *korsakovi* (Christoph, 1885) (Noctuidae)  
**225)** *Episema* *lederi* Christoph, 1885 (Noctuidae)  
**226)** *Eublemma* (*Glossodice*) *polygrammum* (Duponchel, [1842]) (Noctuidae)  
**227)** *Eublemma* (*candidana*-gr.) *wagneri* (Herrich-Schäffer, 1851) (Noctuidae)  
**228)** *Eublemma* (*pallidula*-gr.) *pallidulum* (Herrich-Schäffer, 1856) (Noctuidae)  
**229)** *Eublemma* (*rosina*-gr.) *caelestis* (Brandt, 1938) (Noctuidae)  
**230)** *Eublemma* *suppunctum* (Staudinger, 1892) (Noctuidae)  
**231)** *Euchalcia* *dorsiflava* (Standfuss, 1892) (Noctuidae)  
**232)** *Euchalcia* *emichi* (Rogenhofer, 1873) (Noctuidae)  
**233)** *Eugnorisma* (*Metagnorisma*) *enargiaris* (Draudt, 1936) (Noctuidae)  
**234)** *Eugnorisma* (s.str.) *chaldaica* (Boisduval, 1840) (Noctuidae)  
**235)** *Eulocasta* *diaphora* (Staudinger, 1879) (Noctuidae)  
**236)** *Euxoa* (*Chorisagrotis*) *adumbrata* (Eversmann, 1842) (Noctuidae)  
**237)** *Euxoa* (*Pleonectopoda*) *hilaris* (Freyer, 1838) (Noctuidae)  
**238)** *Euxoa* (s.str.) *anatolica* Draudt, 1936 (Noctuidae)  
**239)** *Euxoa* (s.str.) *aquilina* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**240)** *Euxoa* (s.str.) *birivia* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**241)** *Euxoa* (s.str.) *christophi* (Staudinger, 1870) (Noctuidae)  
**242)** *Euxoa* (s.str.) *conspicua* (Hübner, [1824]) (Noctuidae)  
**243)** *Euxoa* (s.str.) *cos* (Hübner, [1824]) (Noctuidae)  
**244)** *Euxoa* (s.str.) *decora* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**245)** *Euxoa* (s.str.) *distinguenda* (Lederer, 1857) (Noctuidae)  
**246)** *Euxoa* (s.str.) *dsheiron* Brandt, 1938 (Noctuidae)  
**247)** *Euxoa* (s.str.) *heringi* Christoph, 1877 (Noctuidae)  
**248)** *Euxoa* (s.str.) *homicida* (Staudinger, 1900) (Noctuidae)  
**249)** *Euxoa* (s.str.) *luteomixta* (F. Wagner, 1932) (Noctuidae)  
**250)** *Euxoa* (s.str.) *robinosa* (Staudinger, [1895]) (Noctuidae)  
**251)** *Euxoa* (s.str.) *scurrilis* Draudt, 1937 (Noctuidae)  
**252)** *Euxoa* (s.str.) *temera* (Hübner, [1808]) (Noctuidae)  
**253)** *Euxoa* (s.str.) *zernyi* Boursin, 1944 (Noctuidae)  
**254)** *Hadena* (*Anepia*) *musculina* (Staudinger, 1892) (Noctuidae)  
**255)** *Hadena* (*Anepia*) *syriaca* (Osthelder, 1933) (Noctuidae)  
**256)** *Hadena* (*Pinkericola*) *cappadocia* Hacker, 1987 (Noctuidae)  
**257)** *Hadena* (s.str.) *cavalla* Pinker, 1980 (Noctuidae)  
**258)** *Hadena* (s.str.) *clara* (Staudinger, 1901) (Noctuidae)  
**259)** *Hadena* (s.str.) *drenowski* (Rebel, 1930) (Noctuidae)  
**260)** *Hadena* (s.str.) *rjabovi* (Idrisov, 1961) (Noctuidae)  
**261)** *Hadula* (*Caloestra*) *pugnax* (Hübner, [1824]) (Noctuidae)  
**262)** *Hecatera* *rhodocharis* (Brandt, 1938) (Noctuidae)  
**263)** *Helicoverpa* *armigera* (Hübner, [1808]) (Noctuidae)  
**264)** *Heliophobus* *unicolor* (Alpheraky, 1889) (Noctuidae)  
**265)** *Heptapotamia* *eustratii* Alpheraky, 1882 (Noctuidae)  
**266)** *Hoplodrina* *ambigua* ([Denis & Schiffermüller], 1775) (Noctuidae)  
**267)** *Hoplodrina* *pfeifferi* (Boursin, 1932) (Noctuidae)  
**268)** *Hypena* *palpalis* (Hübner, 1796) (Noctuidae)  
**269)** *Leucania* *loreyi* (Duponchel, 1827) (Noctuidae)  
**270)** *Leucochaena* *fallax* (Staudinger, 1870) (Noctuidae)  
**271)** *Luperina* *diversa* (Staudinger, 1892) (Noctuidae)  
**272)** *Lycophorus* *ankarensis* (Rebel, 1931) (Noctuidae)  
**273)** *Lygephila* (s.str.) *subpicata* Wiltshire, 1971 (Noctuidae)  
**274)** *Margelana* *flavidior* Wagner, 1831 (Noctuidae)  
**275)** *Mesoligia* *literosa* (Haworth, [1809]) (Noctuidae)  
**276)** *Metopodicha* *ernesti* Draudt, 1936 (Noctuidae)  
**277)** *Mythimna* (*Aletia*) *l-album* (Linnaeus, 1767) (Noctuidae)  
**278)** *Mythimna* (*Aletia*) *vitellina* (Hübner, [1808]) (Noctuidae)  
**279)** *Mythimna* (*Pseudaletia*) *unipuncta* (Haworth, [1809]) (Noctuidae)  
**280)** *Nezonyma* *obtusa* Varga & Ronkay, 1991 (Noctuidae)  
**281)** *Noctua* (*Latanocua*) *orbona* (Hufnagel, 1766) (Noctuidae)  
**282)** *Noctua* (s.str.) *pronuba* (Linnaeus, 1758) (Noctuidae)  
**283)** *Nycteola* *asiatica* (Krulikovsky, 1904) (Noctuidae)  
**284)** *Odice* *arcuinna* (Hübner, 1790) (Noctuidae)  
**285)** *Oligia* *versicolor* (Borkhausen, 1792) (Noctuidae)  
**286)** *Omphalophana* *antirrhini* (Hübner, [1803]) (Noctuidae)  
**287)** *Oxytripia* *orbiculosa* (Esper, 1799) (Noctuidae)  
**288)** *Oxytripia* *stephania* Sutton, [1964] (Noctuidae)  
**289)** *Panchrysia* *aurea* (Hübner, [1803]) (Noctuidae)  
**290)** *Peridroma* *sauca* (Hübner, [1808]) (Noctuidae)  
**291)** *Periphanes* (*Helivictoria*) *victorina* (Sodoffsky, 1849) (Noctuidae)  
**292)** *Phlogophora* *meticulosa* (Linnaeus, 1758) (Noctuidae)



- 293)** Polymixis (Parabrachionycha) trisignata (Ménétriés, 1847) (Noctuidae)  
**294)** Polymixis (s.str.) chrysographa (F. Wagner, 1931) (Noctuidae)  
**295)** Polymixis (s.str.) rufocincta (Geyer, 1828) (Noctuidae)  
**296)** Protexarnis opisoleuca (Staudinger, 1881) (Noctuidae)  
**297)** Rhyacia (s.str.) lucipeta ([Denis & Schiffermüller], 1775) (Noctuidae)  
**298)** Rhyacia (s.str.) simulans (Hufnagel, 1766) (Noctuidae)  
**299)** Shargacucullia (Verbascullia) verbasci (Linnaeus, 1758) (Noctuidae)  
**300)** Shargacucullia (s.str.) lychnitis (Rambur, 1833) (Noctuidae)  
**301)** Spaelotis senna (Freyer, 1829) (Noctuidae)  
**302)** Tholera hilaris (Staudinger, 1901) (Noctuidae)  
**303)** Thria robusta Walker, [1858] (Noctuidae)  
**304)** Ulochlana hirta (Hübner, [1813]) (Noctuidae)  
**305)** Victrix (s.str.) gracilis (Wagner, 1931) (Noctuidae)  
**306)** Xanthia (Cirrha) ocellaris (Borkhausen, 1792) (Noctuidae)  
**307)** Xestia (Megasema) c-nigrum (Linnaeus, 1758) (Noctuidae)  
**308)** Zekelita (Ravalita) ravalis (Herrich-Schäffer, 1852) (Noctuidae)

- 309)** Cerura (s.str.) vinula (Linnaeus, 1758) (Notodontidae)  
**310)** Rhegmatophila alpina (Bellier, 1880) (Notodontidae)  
**311)** Canephora caucasica (A. Bang-Haas, 1912) (Psychidae)  
**312)** Agdistis cappadociensis Fazekas, 2000 (Pterophoridae)  
**313)** Calyciphora albodactyla (Fabricius, 1794) (Pterophoridae)  
**314)** Calyciphora maraschella Zagulyaev, 1986 (Pterophoridae)  
**315)** Capperia salanga Arenberger, 1995 (Pterophoridae)  
**316)** Merrifieldia tridactyla (Linnaeus, 1758) (Pterophoridae)  
**317)** Oxyptilus parvidactylus (Haworth, [1811]) (Pterophoridae)  
**318)** Paracapperia anatolica (Caradja, 1920) (Pterophoridae)  
**319)** Procapperia maculata (Constant, 1865) (Pterophoridae)  
**320)** Pterophorus pentadactylus (Linnaeus, 1758) (Pterophoridae)  
**321)** Stenoptilia arida (Zeller, 1847) (Pterophoridae)  
**322)** Stenoptilia pinkeri Arenberger, 1984 (Pterophoridae)  
**323)** Wheeleria obsoleta (Zeller, 1841) (Pterophoridae)  
**324)** Cynaeda (s.str.) gigantea (Staudinger, 1879) (Pyralidae)

- 325)** Ephelis cruentalis (Geyer, [1832]) (Pyralidae)  
**326)** Nomophila noctuella ([Denis & Schiffermüller], 1775) (Pyralidae)  
**327)** Pyrausta despicata (Scopoli, 1763) (Pyralidae)  
**328)** Selagia argyrella ([Denis & Schiffermüller], 1775) (Pyralidae)  
**329)** Synaphe consecratalis (Lederer, 1855) (Pyralidae)  
**330)** Synaphe moldavica (Esper, [1789]) (Pyralidae)  
**331)** Saturnia (Heraea) spini ([Denis & Schiffermüller], 1775) (Saturniidae)  
**332)** Microsphecia brosiiformis (Hübner, [1813]) (Sesiidae)  
**333)** Hyles conspicua (Rothschild & Jordan, 1903) (Sphingidae)  
**334)** Eugnosta lathoniana (Hübner, [1800]) (Tortricidae)  
**335)** Eugnosta magnificana (Rebel, 1914) (Tortricidae)  
**336)** Notocelia uddmanniana (Linnaeus, 1758) (Tortricidae)  
**337)** Phtheochroa decipiens (Walsingham, 1900) (Tortricidae)  
**338)** Jordanita (Roccia) volgensis (Möschler, 1862) (Zygaenidae)

### Pınarbaşı (38H) (Kayseri Prov.) (Figs.10)

#### Butterflies

- 1)** Argynnis (Pandoriana) pandora ([Denis & Schiffermüller], 1775) (Argynniidae)  
**2)** Melitaea (Didymaeformis) didyma (Esper, [1779]) (Argynniidae)  
**3)** Melitaea (s.str.) cinxia (Linnaeus, 1758) (Argynniidae)  
**4)** Pyrgus serratulae (Rambur, [1839]) (Hesperiidae)  
**5)** Spialia (Neospialia) orbifer (Hübner, [1823]) (Hesperiidae)  
**6)** Glaucopsyche (Apelles) astraia (Freyer, [1851]) (Lycaenidae)  
**7)** Glaucopsyche (s.str.) alexis (Poda, 1761) (Lycaenidae)  
**8)** Lycaena (Thersamonia) kefersteinii (Gerhard, [1850]) (Lycaenidae)  
**9)** Lycaena (s.str.) phlaeas (Linnaeus, 1761) (Lycaenidae)  
**10)** Plebejus (Plebejides) modicus Verity, 1935 (Lycaenidae)  
**11)** Plebejus (s.str.) argus (Linnaeus, 1758) (Lycaenidae)  
**12)** Polyommatus (s.str. Agrodiaetus (Antidolus)) menalcas (Freyer, [1837]) (Lycaenidae)  
**13)** Polyommatus (s.str. Agrodiaetus (Phyllisia)) vanensis (De Lesse, 1957) (Lycaenidae)  
**14)** Polyommatus (s.str. (Lysandra)) bellargus (Rottemburg, 1775) (Lycaenidae)  
**15)** Polyommatus (s.str. (Plebicula)) amandus (Schneider, 1792) (Lycaenidae)  
**16)** Polyommatus (s.str. (Thersitesia)) thersites (Canterer, [1835]) (Lycaenidae)  
**17)** Polyommatus (s.str.) icarus (Rottemburg, 1775) (Lycaenidae)  
**18)** Quercusia quercus (Linnaeus, 1758) (Lycaenidae)  
**19)** Rubrapterus bavius (Eversmann, 1832) (Lycaenidae)  
**20)** Aporia (s.str.) crataegi (Linnaeus, 1758) (Pieridae)

- 21)** Colias (Eriocolias) crocea (Fourcroy, 1785) (Pieridae)  
**22)** Colias (s.str.) alfaciensis Ribbe, 1905 (Pieridae)  
**23)** Zegris eupheme (Esper, [1804]) (Pieridae)  
**24)** Coenonympha (s.str.) pamphilus (Linnaeus, 1758) (Satyridae)  
**25)** Pseudochazara (s.str.) mamurra (Herrich-Schäffer, [1846]) (Satyridae)

#### Moths

- 26)** Watsonarctia deserta (Bartel, 1902) (Arctiidae)  
**27)** Amata rossica (Turati, 1917) (Ctenuchidae)  
**28)** Dysauxes (s.str.) famula (Freyer, 1836) (Ctenuchidae)  
**29)** Nothris sabulosella Rebel, 1935 (Gelechiidae)  
**30)** Camptogramma griseus (Staudinger, 1892) (Geometridae)  
**31)** Docirava mundata (Staudinger, 1892) (Geometridae)  
**32)** Isturgia hopfferaria (Staudinger, 1879) (Geometridae)  
**33)** Lithostege flavicornata (Zeller, 1847) (Geometridae)  
**34)** Lythria purpuraria (Linnaeus, 1758) (Geometridae)  
**35)** Scopula decorata ([Denis & Schiffermüller], 1775) (Geometridae)  
**36)** Orgyia dubia (Tauscher, 1806) (Lymantriidae)  
**37)** Acontia (Emmelia) trabealis (Scopoli, 1763) (Noctuidae)  
**38)** Agrochola (Anchoscelis) helvola (Linnaeus, 1758) (Noctuidae)  
**39)** Agrochola (Anchoscelis) rupicapra (Staudinger, 1879) (Noctuidae)

- 40)** Ammoconia senex (Geyer, [1828]) (Noctuidae)  
**41)** Antitype jonis (Lederer, 1865) (Noctuidae)  
**42)** Behounekia freyeri (Friedlsky, 1835) (Noctuidae)  
**43)** Catocala (s.str.) elocata (Esper, [1787]) (Noctuidae)  
**44)** Catocala (s.str.) lupina Herrich-Schäffer, [1851] (Noctuidae)  
**45)** Dichonia (s.str.) aeruginea (Hübner, [1803]) (Noctuidae)  
**46)** Dryobotodes (s.str.) eremita (Fabricius, 1775) (Noctuidae)  
**47)** Euclidia glyphica (Linnaeus, 1758) (Noctuidae)  
**48)** Mesogona acetosellae (Goeze, 1781) (Noctuidae)  
**49)** Mythimna (Aletia) l-album (Linnaeus, 1767) (Noctuidae)  
**50)** Oxytripia orbiculosa (Esper, 1799) (Noctuidae)  
**51)** Pamparama acuta (Freyer, [1837]) (Noctuidae)  
**52)** Peridroma saucia (Hübner, [1808]) (Noctuidae)  
**53)** Phlogophora meticulosa (Linnaeus, 1758) (Noctuidae)  
**54)** Shargacucullia (s.str.) lychnitis (Rambur, 1833) (Noctuidae)  
**55)** Simyra dentinosa Freyer, 1839 (Noctuidae)  
**56)** Ulochlana hirta (Hübner, [1813]) (Noctuidae)  
**57)** Pleurota (s.str.) metricella (Zeller, 1847) (Oecophoridae)  
**58)** Cynaeda (s.str.) gigantea (Staudinger, 1879) (Pyralidae)  
**59)** Loxostege mucosalis (Herrich-Schäffer, [1848]) (Pyralidae)  
**60)** Phtheochroa palpana (Ragonot, 1894) (Tortricidae)

### Elazığ city (23D) (Figs.20-21) (including Harput)

#### Butterflies

- 1)** Aglais urticae (Linnaeus, 1758) (Argynniidae)

- 2)** Argynnis (Pandoriana) pandora ([Denis & Schiffermüller], 1775) (Argynniidae)  
**3)** Melitaea (Didymaeformis) didyma (Esper, [1779]) (Argynniidae)

- 4)** Melitaea (Didymaeformis) perseia Kollar, [1849] (Argynniidae)  
**5)** Melitaea (Didymaeformis) syriaca Rebel, 1905 (Argynniidae)

- 6) *Melitaea* (s.str.) *cinxia* (Linnaeus,1758) (Argynniidae)
- 7) *Polygonia* (Camma) *egae* (Cramer,[1775]) (Argynniidae)
- 8) *Vanessa* (Cynthia) *cardui* (Linnaeus,1758) (Argynniidae)
- 9) *Carcharodus* (Lavatheria) *lavatherae* (Esper,[1783]) (Hesperiidae)
- 10) *Carcharodus* (Lavatheria) *stauderi* Reverdin,1913 (Hesperiidae)
- 11) *Carcharodus* (s.str.) *alceae* (Esper,[1780]) (Hesperiidae)
- 12) *Eogenes* *alcides* Herrich-Schäffer,[1852] (Hesperiidae)
- 13) *Erynnis* (Hesperopegasus) *marloyi* (Boisduval,[1834]) (Hesperiidae)
- 14) *Erynnis* (s.str.) *tages* (Linnaeus,1758) (Hesperiidae)
- 15) *Hesperia* *comma* (Linnaeus,1758) (Hesperiidae)
- 16) *Muschampia* *nomas* (Lederer,1855) (Hesperiidae)
- 17) *Spialia* (Neospialia) *orbifer* (Hübner,[1823]) (Hesperiidae)
- 18) *Spialia* (s.str.) *phlomis* (Herrich-Schäffer,[1845]) (Hesperiidae)
- 19) *Thymelicus* *acteon* (Rottemburg,1775) (Hesperiidae)
- 20) *Thymelicus* *lineolus* (Ochsenheimer,1808) (Hesperiidae)
- 21) *Thymelicus* *novus* (Reverdin,1916) (Hesperiidae)
- 22) *Libythea* (s.str.) *celtis* (Laicharting,1782) (Libytheidae)
- 23) *Celastrina* *argiolus* (Linnaeus,1758) (Lycaenidae)

- 24) *Cigaritis* *uighurica* Kemal & Koçak,2005 (Lycaenidae)
- 25) *Cupido* (s.str.) *osiris* (Meigen,[1829]) (Lycaenidae)
- 26) *Lycaena* (Alciphronia) *alciphron* (Rottemburg,1775) (Lycaenidae)
- 27) *Lycaena* (Thersamonia) *kefersteinii* (Gerhard,[1850]) (Lycaenidae)
- 28) *Lycaena* (Thersamonia) *thersamon* (Esper,[1784]) (Lycaenidae)
- 29) *Lycaena* (s.str.) *phlaeas* (Linnaeus,1761) (Lycaenidae)
- 30) *Polyommatus* (s.str. (Agrodiaetus (Admetusia))) *demavendi* (Pfeiffer,1938) (Lycaenidae)
- 31) *Polyommatus* (s.str. (Agrodiaetus (Antidolus))) *mithridates* (Staudinger,1878) (Lycaenidae)
- 32) *Polyommatus* (s.str. (Agrodiaetus (Damaia))) *hopfferi* (Gerhard,[1851]) (Lycaenidae)
- 33) *Polyommatus* (s.str. (Agrodiaetus (Damaia))) *poseidon* (Herrich-Schäffer,[1851]) (Lycaenidae)
- 34) *Pseudophilotes* *vicrama* (Moore,1865) (Lycaenidae)
- 35) *Satyrus* (Nordmannia) *abdominalis* (Gerhard,[1850]) (Lycaenidae)
- 36) *Tarucus* (s.str.) *balkanicus* (Freyer,[1843]) (Lycaenidae)
- 37) *Iphiclides* *podalirius* (Linnaeus,1758) (Papilionidae)
- 38) *Leptidea* *duponcheli* (Staudinger,1871) (Pieridae)
- 39) *Pieris* (Artogeia) *ergane* (Geyer,[1828]) (Pieridae)

- 40) *Pieris* (Artogeia) *rapae* (Linnaeus,1758) (Pieridae)
- 41) *Pontia* *edusa* (Fabricius,1777) (Pieridae)
- 42) *Coenonympha* (s.str.) *pamphilus* (Linnaeus,1758) (Satyridae)
- 43) *Coenonympha* (s.str.) *saadi* (Kollar,[1849]) (Satyridae)
- 44) *Hipparchia* (s.str.) *syriaca* (Staudinger,1871) (Satyridae)
- 45) *Hyponephele* (s.str. (Turaninephele)) *wagneri* (Herrich-Schäffer,[1846]) (Satyridae)
- 46) *Kirinia* (Melike) *roxelana* (Cramer,[1777]) (Satyridae)
- 47) *Maniola* (Telmessiola) *telmessia* (Zeller,1847) (Satyridae)
- 48) *Proterebia* *afra* (Fabricius,1787) (Satyridae)
- 49) *Satyrus* (Asatyrus (s.str.)) *amasinus* Staudinger,1861 (Satyridae)

### Moths

- 50) *Lymantria* *dispar* (Linnaeus,1758) (Lymantriidae)
- 51) *Aegle* *diatema* Boursin,1962 (Noctuidae)
- 52) *Dichagyris* (Yigoga) *serraticornis* (Staudinger,1898) (Noctuidae)
- 53) *Dichagyris* (s.str.) *amoena* (Staudinger,1892) (Noctuidae)
- 54) *Crombruggia* *distsans* (Zeller,1847) (Pterophoridae)
- 55) *Saturnia* (Heraea) *spini* ([Denis & Schiffermüller],1775) (Saturniidae)

## Kuruca (12Ab) (Bingöl Prov.) (Fig.26-29)

### Butterflies

- 1) *Argynnis* (Fabriciana) *niobe* (Linnaeus,1758) (Argynniidae)
- 2) *Issoria* *lathonia* (Linnaeus,1758) (Argynniidae)
- 3) *Melitaea* (Didymaeformis) *syriaca* Rebel,1905 (Argynniidae)
- 4) *Melitaea* (s.str.) *cinxia* (Linnaeus,1758) (Argynniidae)
- 5) *Nymphalis* *polychloros* (Linnaeus,1758) (Argynniidae)
- 6) *Muschampia* *tessellum* (Hübner,[1802]) (Hesperiidae)
- 7) *Pyrgus* *melotis* (Duponchel,[1834]) (Hesperiidae)
- 8) *Spialia* (Neospialia) *orbifer* (Hübner,[1823]) (Hesperiidae)
- 9) *Celastrina* *argiolus* (Linnaeus,1758) (Lycaenidae)
- 10) *Lycaena* (Thersamonia) *asabinus* (Gerhard,[1850]) (Lycaenidae)
- 11) *Lycaena* (Thersamonia) *thersamon* (Esper,[1784]) (Lycaenidae)
- 12) *Polyommatus* (s.str. (Lysandra)) *corydonius* (Herrich-Schäffer,[1852]) (Lycaenidae)
- 13) *Polyommatus* (s.str. (Neolysandra)) *ponticus* (Courvoisier,1911) (Lycaenidae)
- 14) *Quercusia* *quercus* (Linnaeus,1758) (Lycaenidae)

- 15) *Parnassius* (Driopa) *mnemosyne* (Linnaeus,1758) (Papilionidae)
- 16) *Aporia* (s.str.) *crataegi* (Linnaeus,1758) (Pieridae)
- 17) *Colias* (Eriocolias) *crocea* (Fourcroy,1785) (Pieridae)
- 18) *Colotis* (s.str.) *fausta* (Olivier,[1804]) (Pieridae)
- 19) *Chazara* (s.str.) *briseis* (Linnaeus,1764) (Satyridae)
- 20) *Coenonympha* (s.str.) *pamphilus* (Linnaeus,1758) (Satyridae)
- 21) *Coenonympha* (s.str.) *saadi* (Kollar,[1849]) (Satyridae)
- 22) *Maniola* (Telmessiola) *telmessia* (Zeller,1847) (Satyridae)

### Moths

- 23) *Arctia* (Eucharia) *festiva* (Hufnagel,1766) (Arctiidae)
- 24) *Coleophora* *alcyonipennella* (Kollar,1832) (Coleophoridae)
- 25) *Coleophora* *cartilaginella* Christoph,1872 (Coleophoridae)
- 26) *Syncopacma* *polychromella* (Rebel,1902) (Gelechiidae)
- 27) *Aplasta* *ononaria* (Fuessly,1783) (Geometridae)
- 28) *Ematurga* *atomaria* (Linnaeus,1758) (Geometridae)

- 29) *Orthostixis* *calcularia* Lederer,1853 (Geometridae)
- 30) *Orthostixis* *cribraria* (Hübner,[1799]) (Geometridae)
- 31) *Rhodostrophia* (Asiatrophia) *auctata* (Staudinger,1879) (Geometridae)
- 32) *Rhodostrophia* (Pydna) *bahara* (Brandt,1938) (Geometridae)
- 33) *Triodia* *amasina* (Herrich-Schäffer,[1851]) (Hepialidae)
- 34) *Euproctis* *chrysorrhoea* (Linnaeus,1758) (Lymantriidae)
- 35) *Euclidia* *glyphica* (Linnaeus,1758) (Noctuidae)
- 36) *Meganola* *togatulalis* (Hübner,1796) (Noctuidae)
- 37) *Shargacucullia* (s.str.) *lychnitis* (Rambur,1833) (Noctuidae)
- 38) *Arsissa* *divaricella* (Ragonot,1887) (Pyralidae)
- 39) *Cynaeda* (Noctuella) *superba* (Freyer,[1844]) (Pyralidae)
- 40) *Euchromius* *bellus* (Hübner,1796) (Pyralidae)
- 41) *Evergestis* *umbrosalis* (Fischer v. Röslerstamm,[1842]) (Pyralidae)
- 42) *Pelatea* *klugiana* (Freyer,[1834]) (Tortricidae)
- 43) *Tortrix* *viridana* (Linnaeus,1758) (Tortricidae)
- 44) *Zygaena* (Agrumenia) *loti* ([Denis & Schiffermüller],1775) (Zygaenidae)



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